

# **Industrial Engineers**

# Karla P. Alvarado

1401 Cricket Club Cr. Apt. # 103. Orlando, FL. 32828

Phone (386) 479-3023

kalvarad@mail.ucf.edu

## Education

08/02-Present	<b>PHD and Master of Science in Industrial Engineering Management Track Program</b> University of Central Florida GPA: 3.5/4.0	Orlando, FL
01/97 – 04/01	<b>Bachelor of Science in Industrial Engineering</b> UNEXPO University GPA: 3.2/4.0	Lara, Venezuela

## Awards

01/97 – 04/01	<i>Honors</i> , UNEXPO University	Lara, Venezuela
01/98 – 04/99	<i>Perfect Attendance</i> , UNEXPO University	Lara, Venezuela

## Languages

Fluent in oral and written Spanish  
Knowledge in Portuguese and Italian

## Experience

08/00 – 02/01	<b>Consoica Company</b> <i>Assistant Manager and Internal Auditor</i> , Dept. of Quality Control - Working in certification for ISO 9002 - Internal Auditor - Coordinated quality control activities and Internal audits - Motivate employees to fulfilling weekly quality objective and goals - Maintained a consistent and efficient quality work environment	Lara, Venezuela
01/00 – 08/00	<b>Servivet Company</b> <i>Project Manager</i> , Department of Project Researched and developed every aspect of the company from technical to economical areas in order to introduce and incorporate an in house plant for veterinary medicine	Lara, Venezuela
06/99 – 09/99	<b>Sidor Company</b> <i>Assistant Manager</i> , Dept. of Quality Control - Management indicators - Coordinated quality control activities - Developed of a quality system for the Lamination Area	Bolivar, Venezuela

## Activities

05/03 – Present	<i>Graduate Research Assistant at UCF</i>	Orlando, FL
02/03- Present	<i>Volunteer at The Little Bean Co.</i> Inventory and Production Manager	Orlando, FL
02/02- 01/03	<i>Volunteer at Elsie's Bakery</i> Inventory and Production Manager	Deland, FL
09/02-Present	<i>Active member of Society of Women Engineering</i>	Orlando, FL
04/03-Present	<i>Active member of American Society of Quality</i>	Orlando, FL
04/01-07/01	<i>Volunteer at Stetson University School of Music</i> Assistant of Administrative Secretary	Deland, FL

## Additional Information

11/2000	<i>Metrology Assure Certificate</i>	Venezuela
10/2000	<i>Integral Security Management Certificate</i>	Venezuela
07/2000 - 11/2000	<i>Quality System Internal Audits. Internal Auditor Certificate</i>	Venezuela
05/2000	<i>Quality Manuals and Planning Preparation Certificate</i>	Venezuela
05/1999	<i>ISO 9000 Certificate</i>	Venezuela
11/1998	<i>Preventive and Corrective Maintenance Certificate</i>	Venezuela

## Computer Skills

Adobe- Photoshop, Microsoft Project, Microsoft Visio, MINITAB, The Management Scientist Program, Simulation with Vensim, Simulation with Arena, Programming in Pascal and Visual Basic 6.0

## RAVIKUMAR BASKARAN

308 Grace Street, Apt # 247,  
Tuscaloosa, AL 35401  
<http://www.ravibas.com>

Home: (205) 759 1183  
Cell: (205) 246 2054  
E-Mail: [baska001@bama.ua.edu](mailto:baska001@bama.ua.edu)

### OBJECTIVE

Seeking a challenging job in the field of Industrial Engineering, where I can use my technical and interpersonal skills as part of a team.

### EDUCATION

**Master of Science (MS), Industrial Engineering** (Expected Graduation – May 2003)

GPA: 3.89/4.00

University of Alabama, Tuscaloosa, Alabama

Courses: Project Management, Expert Systems in Manufacturing, Advanced Information Systems Design, System Simulation, Operations Research, Advance Engineering Economics, Work Design and Human Performance, Human Information Processing, Special Problems in Human-Computer Interaction, Software Interface Design, Introduction to Cognitive psychology and Engineering Statistics.

**Bachelor of Engineering (BE), Mechanical Engineering** (Aug 1994 – May 1998)

GPA: 3.00/4.00

University of Madras, Chennai, India

Courses: Computer Programming Languages, CAD/CAM, Statistical Quality Control and Reliability Engineering Operations Research, Engineering Statistics, Production Planning and Control, Plant layout and Material Handling, Non-Traditional Machining Techniques, Modern Manufacturing Systems and Design of Transmission Elements.

**Certification, Java programming** (May 2000 – July 2000)  
National Institute of Information Technology, Chennai, India.

### PROJECTS

- Developed a Decision Support System (DSS), 'Analytical Decision Support System for Appropriate Glove Evaluation' (ADAGE), for Industrial Hand Glove Selection based on subjective perception using Visual Basic 6.0 as front end, MS Access as database management system and SAS as model management system.
- Submitted a research paper on Decision Support System (DSS) and its use in Management Information Systems (MIS)
- Developed an Expert System, 'Expert System for International Student Advising' (EXSISA), to help international students select graduate schools based on their GRE, TOEFL test scores, academics and experience, using LEVEL 5 OBJECT.
- Developed a Simulation Model, 'Traffic Simulation of Signalized Intersection' for studying traffic behavior under different conditions, solve traffic problems and increase level of service (LOC) of a particular intersection, using ARENA 3.0
- Conducted Usability Studies on Web Browsers IE 6.0 and Netscape Navigator 6.0.
- Submitted a research paper to the department of Industrial Engineering for the development of Human-Computer Interaction Laboratory.
- Developed a prototype interface for Video on Demand (VOD) utilizing Alan Cooper's methodology by formulating several personas that typify the user population. The prototype was developed using Visual Basic 6.0.
- Conceived and designed a webpage for *Crimson Cricket Club*, using Microsoft Frontpage 98 for design, Microsoft Image Composer and GIF Animator for logos, banners and graphics. The webpage is at <http://www.bama.ua.edu/~cricket>
- Developed a webpage for *Indian Association of Tuscaloosa*, using Project Management techniques and Microsoft Projects 2000 for scheduling and budget reporting; Microsoft FrontPage 98 and Image Composer for design and graphics. The webpage is at <http://www.geocities.com/uaiat>

### EXPERIENCE

**Student Assistant – Web Resources** (August 2002 – current)

- Designing, implementing, evaluating and improving site concept and strategy
- Create a successful user experience

**Graduate Assistant - Web Administrator** (August 2000– May 2002)

- Planning and executing new design
- Maintain websystem performance, website appearance, content and images
- Keep site up-to-date and recommend site improvement

**Graduate Teaching Assistant** (August 2001– May 2002)

- Assist faculty in course development and assignments
- Assist students in computer lab
- Grade assignments and Test papers

**Senior Engineer – Projects, M/s Utility Engineering Consultants, Chennai, India** (July 1998–July 2000)

- Incharge of project scheduling, resource allocation and budget
- Incharge of design and Autocad drawings

**Part-time Faculty and Lab instructor, M/s EdNET Software, Chennai, India** (January 1999–October 1999)

- Faculty for Oracle 7.3, HTML and MS Office 97

**Freelance Web Developer** (January 2000 – July 2000)

- Designed many websites
- Presented classes on Web Designing

**ENGINEERING INTERN**

- Eveready Industries India Limited (Union Carbide) , Chennai, India (June 1997-July1997)
- TI-Diamond Chains Limited, Chennai, India (June 1996-July 1996)
- Madras Fertilizers Limited (MFL), Chennai, India (June 1995-July 1995)

**COMPUTER SKILLS**

Operating Systems	Microsoft Windows 95/ 98/ NT, MS DOS and Unix
Programming Languages	Pascal, FORTRAN 90, C and Visual Basic
Web Technologies	HTML, ASP, CSS, Java Script and WSFTP
Database	Microsoft Access, Oracle 7.3 and SQL
Simulation Packages	ARENA 3.0 and Process Model
Object-Oriented Software Development Tool	CASE and Layout
Expert System Shell	LEVEL 5 OBJECT
Others	Microsoft Office, MS Project 2000, AutoCAD R13, Minitab, Microsoft FrontPage 98, LINGO, LINDO, SAS and Adobe Acrobat

**PROFESSIONAL AFFILIATIONS**

- Member, *Alpha Pi Mu* (Industrial Engineering Honor Society)
- Member, *Institute of Industrial Engineers* (IIE)
- Member, *Association of Computing Machinery* (ACM)

**SCHOLARSHIPS/ASSISTANTSHIPS**

- Graduate Student Assistant (2000-2002)
- Graduate Teaching Assistant (2001-2002)
- Garner Scholarship (2002-2003)

**EXTRACURRICULAR ACTIVITIES**

- Student Volunteer, CHI 2002, Minneapolis, USA
- Student Volunteer, EUPA/HCI 2002, London, UK
- Mentor, International Mentor Program

**ADDITIONAL INFORMATION**

- Salary Requirements: Negotiable
- References: available on request
- Relocation/Travel: Open

## **KIRTI B. BISEN**

1315 Caplewood Drive, Apt 1

Tuscaloosa, Al 35401

Phone: Cell- (205)-454-2938, Home- (205)-758-5589

Email: [bisenkirti@yahoo.com](mailto:bisenkirti@yahoo.com)

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### **EDUCATION**

**Master of Science, May 2003, University of Alabama, Tuscaloosa, Alabama**

Industrial Engineering (Cumulative GPA: 3.5)

**Diploma in Business Management, June 2000, LRT College of Commerce, Amravati, India**

Business Management (Cumulative GPA: 3.6)

**Bachelor of Engineering, SSGM College of Engineering Amravati, India, July 1999**

Mechanical Engineering (Cumulative GPA: 3.6)

### **WORK EXPERIENCE**

**Graduate Research Assistant, University of Alabama, September 2000 to Present, Tuscaloosa, Alabama**

- Designed a data acquisition system for collecting gas tungsten arc (GTA) welding dynamic data.
- Determined optimal set of welding parameters, and improve the quality of weld. Explored and eliminated the errors in the online welding process. Designed experiments and retrieved data for statistical analysis.
- Analyzed the data using spreadsheet and compared the results of analysis with the model predictions.
- Designed a layout for a research lab, which resulted in 20 percent increase in work space.
- Successfully co-installed a welding chamber, currently used for research projects.
- Published and presented the analysis of the experimental data in TMS (The Minerals, Metals and Materials Society) and ASM International conference (The Materials Information Society), Georgia.

**Production Supervisor, Hanuman Mechanical Workshop, May 1999 to June 2000, India**

- Achieved 30 percent cost reduction associated with purchase of raw materials from vendors.
- Performed time and motion studies, removed inefficient tasks associated with manufacturing of containers.
- Supervised a team of operators in 2<sup>nd</sup> and 3<sup>rd</sup> shift. Determined an optimal sequence of operations for trailers, which reduced production cycle time by 20 percent.
- Used statistical process control techniques (SPC/SQC) and modern quality function deployment (QFD) tools to improve quality of trailer axles.
- Negotiated with vendors and solved the inventory problem. Involved in ISO 9000 implementation.
- Successfully designed and launched an oval shaped container product.

**Manufacturing Engineer, Hanuman Mechanical Workshop, India, May 1998 to July 1998**

- Developed a product type plant layout that minimized material handling time by 30 percent.
- Transformed customer needs in to design specifications for containers.
- Designed a relational database to maintain employee and vendor information using SQL and MS Access.

**Trainee Engineer, Sundar Automobiles, India, May 1997-July 1997**

- Managed inventory, purchasing, and forecasting.
- Handled warranty issues for the automobile spare parts.

### **PROJECTS**

- Used MS Project 2000 software for scheduling and creating reports of a project on dynamic data collection.
- Used quality function deployment tools to create efficient designs for a classroom console.
- Designed an airport database system using SQL and object oriented programming.
- Simulated a toll booth plaza to study the effect of change in different parameters using Arena.
- Designed an expert system to determine the crash course characteristics in Alabama using Level 5 Object.
- Designed an efficient layout using FACTORY CAD for flexible manufacturing systems (FMS) lab.
- Fabricated and Tested combined action stiffness calibrator.
- Presented Seminar on Application of CAD/CAM in Pattern Making.

## **KIRTI B. BISEN**

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### **THESIS DESSERTATION**

- Developed an expert system to determine energy saving opportunities for public school buildings, and recommend energy saving measures to minimize energy losses. This computer system was developed to encourage public schools to conduct energy audits, eliminate the areas of energy losses, and minimize their energy consumptions.
- This expert system also gives an estimate of cost of implementing the suggested energy saving measures, and determines rate of return (ROR/ROI) in terms of annual energy savings.

### **PUBLICATIONS**

- Computation and Validation of Weld Pool Dimensions and Temperature Profiles for Gamma TiAl, K.B. Bisen, M. Arenas, N. El Kaddah, and V. L. Acoff, submitted to Metallurgical Transactions A, 2002.
- Validation of Computed Weld Pool Temperature Profiles for GTA Welding of Gamma TiAl, K.B. Bisen, M. Arenas, N. El Kaddah, and V.L. Acoff, submitted to Trends in Welding Research: Proceedings of the 6th International Conference, ASM International, Pine Mountain, Georgia, 2002.

### **COMPUTER SKILLS**

- Worked on Windows 95/98/2000/ME/NT, SQL, LabView, and ChartView.
- Used MS Project Management 2000, MS Office, Expert System Level 5, Factory Cad, AUTO-CAD, Minitab, MOST, Arena, Oracle, Object Oriented Databases, FORTRAN 77, C, C++.

### **RELEVANT COURSES**

- Project Management, Statistical Quality Control (SQC/SPC), Quality Engineering, Statistical Methods in Research, Production Planning and Control, Production Technology, Manufacturing Processes, Work Design and Time Study, Mechanical Estimating and Costing, Operations Research, Facilities Planning and Design, Systems Simulation, Database Management Systems, Supply Chain Management.

### **HONORS AND ACTIVITIES**

- Graduate Research Assistantship.
- Scholarship for Merit in High School.
- National Cadet Corps (NCC), SSGM College of Engineering.
- Institute of Industrial Engineering (IIE), University of Alabama.
- Fluency in English, Hindi, Gujarati, Marathi, and Punjabi.

## ERNESTO A. CAMPOS

P.O.Box 861044 • Tuscaloosa, Alabama 35486 • (205) 347-3215

E-mail: campo001@bama.ua.edu

### EDUCATION

#### **Master of Science in Industrial Engineering**

The University of Alabama,  
Tuscaloosa, Alabama

Expected Graduation: May 2003

#### **Bachelor of Science in Industrial Engineering**

Universidad Jose Maria Vargas,  
Caracas, Venezuela

Graduated: April 1998

#### **Management Certificate Program for Engineers**

The University of Alabama,  
Tuscaloosa, Alabama

Graduated: December 2000

### EXPERIENCE

**Library Assistant, August 2000- Present,** The University of Alabama, Tuscaloosa Alabama

Checked out and checked in of journals, periodicals, and books. Shelled journals, periodicals and books.

Assisted the librarian

**Safety Engineer, October 1997- May 1998,** Intenso Offset Lithography, Caracas Venezuela

Designed new fire emergency system in press area. Supervised installation of new fire emergency system. Designed new manual of security for each machine in press area. Designed Facilities, planning and layout of press area.

**Engineering Designer, August 1996- August 1997,** Petroquimica de Venezuela (PEQUIVEN) (i.e. Oil Venezuelan Company)

Designed new system in marine gas transportation that calculates fluctuation of freight cost in the future. Supervised and participated in installation of system.

**Internship, August 1995- August 1996** Petroquimica de Venezuela (PEQUIVEN) (i.e. Oil Venezuelan Company)

Designed PET-CHEM system for statistical purpose. To get fluctuation of freight cost per product and destination around the world.

**Sell Agent, January 1995 – August 1996** COMALIMCA Food processes Company, Caracas Venezuela

Sold and distributed processed food.

### SKILLS

Fluent in Spanish and English, Microsoft Windows 3.1, 95, 98, 2000, XP, NT. Power point, Excel, Word, Basic, Q-basic, Lingo, Arena, MINITAB, FactoryCAD, FactoryFLOW, QFD.

### PROFESIONAL COURSES/ SEMINARS and ACTIVITIES

- Effective Technical Presentations, The University of Alabama. (2000)
- Principles of Engineering Economics, The University of Alabama. (2000)
- Leadership and Management Skill for Engineers, The University of Alabama. (2000)
- Project Management for Engineers, The University of Alabama. (2000)
- English Language Institute, The University of Alabama. (2000)
- ISO 9000 Norms Forum participant, La Asociacion de Industrias de Artes Graficas de Venezuela A.I.A.G. (1998)
- Industrial Engineering Students' Seminar, Universidad Santa Maria. (1998)
- Communication and Strategy, Universidad Catolica Andres Bello. (1997)
- Quality Control, Universidad Metropolitana. (1997)
- Industrial Engineering Students' Seminar II, Universidad Catolica Andres Bello. (1997)
- Chemistry Engineering Seminar, Universidad Metropolitana. (1996)
- Operation of MicroComputer, Captacion Autodidactica Profesional C.A. (1996)
- Industrial Engineering Students' Seminar I, Universidad Catolica Andres Bello. (1996)
- Excellence and Leadership, Universidad Metropolitana. (1995)
- Mention of Honor in the thesis for the grade of B.S. IndustrialEngineering.
- High grade in the internship in PEQUIVEN (i.e Oil Venezuelan Company).
- Industrial Engineering Students' Cooperation Group Advisor

## **BROCK L. CORDER**

1601 17<sup>th</sup> Avenue East  
Tuscaloosa, Alabama 35404  
(205) 562-0197  
bcorder1@bcc.cba.ua.edu

- EXPERIENCE** **Mercedes-Benz U.S. International, Inc., Vance, AL.** **May 2001 to present**  
**Information Technology Project Office Intern.**
- SAP Project Office management for the complete R/3 implementation.
  - Perform administrative duties to support a 30-person SAP Implementation and Project Team.
  - Maintain, manage, and coordinate the project plan for all IT activities supporting a \$600 million plant expansion and product line expansion. Report project plan status to the overall expansion Project Manager. Conduct critical path analyses and earned value analyses to evaluate project timing and budget status.
  - Assist Project Managers in creating and integrating long-term project organization charts. Maintain and update project organization charts.
  - Track and report planned vs. actual status of costs associated with approximately 30 outsourced consultants.

- Mercedes-Benz U.S. International, Inc., Vance, AL.** **March 2001 to May 2001**  
**Information Technology Application Development Intern.**
- Conducted business system analysis for replacement of the Engineering Change Control system in Production Control
  - Worked with system users to document process flows, user roles, and areas for improvement.

- Mercedes-Benz U.S. International, Inc., Vance, AL.** **June 1996 to March 2001**  
**Information Technology Operations Intern.**
- Administered and performed maintenance on telephone system, voice-mail system, and videoconferencing system for over 2000 stations.
  - Maintained database utilized in back-charging each internal cost center for long distance, cellular, and other wireless systems.
  - Created, updated, and maintained network infrastructure documentation.
  - Coordinated and managed installation and implementation of corporate television network in the facility.

**COMPUTER SKILLS** **Operating Environments:** Novell, Windows, DOS  
**Business Tools:** Microsoft Office, Lotus Suite, Lotus Notes, Visio, Microsoft Project, AutoCAD, Microsoft Outlook, Arena, Lindo, Minitab, Accelerated SAP

**EDUCATION** **Candidate for Masters of Business Administration** **May 2002**  
Manderson Graduate School of Business  
The University of Alabama  
Cumulative GPA 4.0/4.0 Concentration: Strategy/Entrepreneurship

**Bachelor of Science: Industrial Engineering (*summa cum laude*)** **May 2000**  
The University of Alabama  
Cumulative GPA 3.98/4.0 Major GPA 4.0/4.0

**HONORS AND ACTIVITIES** **Manderson Graduate School of Business, MBA Program**  
Graduate Council Fellow (2000-2001)  
MBA Commerce and Enterprise Organization, Treasurer

**The University of Alabama, Industrial Engineering**  
National Alumni Honors and Marvin Griffin Endowed Scholarships (1996-2000)  
President's List - 7 semesters, Dean's List - 1 semester  
Institute of Industrial Engineers National Student Award for Excellence 3<sup>rd</sup> Place (1999)  
Who's Who Among American Colleges and Universities, All-American Scholar  
Institute of Industrial Engineers, President, Treasurer, Outstanding Senior  
Alpha Pi Mu, Chapter President, Chapter Treasurer, Outstanding Junior  
Tau Beta Pi, ODK, Mortar Board, Golden Key, Gamma Beta Phi

**Community**  
Habitat for Humanity, Tuscaloosa Boys and Girls Club, MakeA- Wish Foundation



# MEAGHAN DORAN

Email: [doranm@rpi.edu](mailto:doranm@rpi.edu)

Permanent:  
286 Furrows Rd  
Holbrook, NY  
11741  
(631)585-7817  
Fax (631)580-0467

Campus:  
33 Colvin Circle  
Troy, NY 12180  
(518)276-8938

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- Objective:** To obtain an internship dealing with industrial engineering that will provide valuable work experience and key insight into the engineering world.
- Education:**
- Rensselaer Polytechnic Institute** Troy, NY 2002-Present  
B.S. in Industrial Engineering / Minor in Political Science  
Expected Graduation May 2006  
Relevant Coursework: Physics I&II, Differential Equations, Chemistry of Materials I&II, Engineering Analysis, Engineering Design, Engineering Graphics and CAD, Engineering Processes and Modeling and Analysis of Uncertainty.
- Sachem High School** Lake Ronkonkoma, NY 1998-2002  
Regents Diploma  
Graduated 10 out of 1028
- Work Experience:**
- Island 16: Cinema de Lux** Summer 2003  
Stand Attendant/Cashier – Personally responsible for the sales and merchandise during an eight hour shift. Received Secret Shopper Award for implementing all business procedures perfectly.
- S.Y.A.G. Summer Camps** Summer 2003  
Tennis Counselor – Taught children of various ages the fundamentals of the sport of tennis. Responsible for the safety of the children and to keep them occupied.
- Skills:** Microsoft Word, Microsoft Excel, Microsoft Outlook, Microsoft PowerPoint, Microsoft Visual Studio.NET, Microsoft Explorer, Solidworks 2001, Minitab version 12, Logger Pro.
- Achievements:** Dean's List – Fall 2002, Spring 2003  
Rensselaer Medalist, Rensselaer Alumni Scholar, Joseph Tauber Scholar, New York State Education Scholar, Girl Scout Silver Award, Outstanding Sachem Scholar Athlete, Holbrook Chamber of Commerce Award
- Leadership:**
- Lockheed Martin STARS Leadership Series 2003-2004  
Professional leadership
- Residence Hall Treasurer 2002-2003  
Organized hall activities and the hall budget in accordance with the Residence Hall Association
- Captain of Varsity Sports 2001-2002  
Tennis and Track Teams – lead girls of various ages and skills levels to create cohesive teams
- Extracurricular Activities:**
- Society of Women Engineers – Member** 2002-Present  
Publicity Director 2003-Present  
Publicized SWE events, created a SWE resume book, organized student activity fairs,  
Worked to advance the role of the organization on campus and rebuild its reputation  
Professional Society dedicated to the advancement of women as leaders in all engineering fields
- Rensselaer Habitat for Humanity** 2002-Present  
Fundraising Committee Chair – Develop ways to raise money for the basis of creating homes for low income housing in the city of Troy
- Women's Mentoring Program - Mentee** 2002-Present  
Mentor - for two freshman women, providing experience to guide fellow women during their initial year at Rensselaer 2003-Present
- Institute for Industrial Engineers** 2003-Present  
Professional Society dedicated to the support of the industrial engineering profession and those involved in it.
- Rensselaer Women's Rugby Team** 2003-Present  
Division II Undefeated Champions
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**Kayla B. Erwin**  
**erwin006@bama.ua.edu**

**Current Address**  
PO Box 861948  
Tuscaloosa, AL. 35486  
(205) 347-8566

**Permanent Address**  
12634 King Arthur Dr.  
Grand Bay, AL. 36541  
(251) 865-3157

**EXPERIENCE**

**Allstate Insurance Co., Tuscaloosa, AL.**  
**Support Staff, Ryan and Martin Agencies.**

**September 2000 to January 2002**

- Assisted customers.
- Performed policy endorsements.
- Collected Payments.
- Maintained organized records of office documents and activities.

**The University of Alabama, Tuscaloosa, AL.**  
**Computer Lab Monitor, College of Arts & Sciences.**

**January 2002 to Present**

- Supervised students and actions within labs.
- Ensured lab efficiency and orderliness.

**COMPUTER**

**Operating Environments:** Novell, Windows, DOS,  
**Business Tools:** Microsoft Office, AutoCAD, Microsoft Outlook, Arena  
**Computer Languages:** Fortran, Lingo, Lingo, Siman

**EDUCATION**

**Bachelor of Science: Industrial Engineering**  
**The University of Alabama**

**Expected May 2003**

- Cumulative GPA 3.55 on +/- 4.00 scale
- Major GPA 3.70/4.0
- President's List – Spring 2002
- Dean's List – Fall 2001, Summer 2002

**HONORS AND ACTIVITIES**

Alumni Honors Scholarship  
Avon President's Club Scholastic Achievement Scholarship  
Crittendon Endowed Scholarship  
William McCalla Scholarship  
Burl S. Watson Scholarship  
University of Alabama Special Merit/Achievement  
Scholarship  
Patterson Endowed Scholarship  
Capstone Engineering Society Scholarship  
University of Alabama Summer Scholarship  
University Honors Program  
Alpha Pi Mu, **Secretary**  
Gamma Beta Phi  
Golden Key Honor Society  
Mortar Board  
Order of Omega  
Ambassadors of the College of Engineering, **President**  
Institute of Industrial Engineers, **President**  
Alpha Omicron Pi, **Vice President of Membership**  
**Education, Keeper of the Ritual**  
Emerging Leaders

Lambda Sigma  
Society of Women Engineers

- Student Member
- Girl Scout Engineering Day Committee
- Around the World Dinner Committee
- Educational Outreach Committee

Student Alumni Association  
Student Recruitment Team  
University Triangle Association  
Volunteer

- City of Chickasaw Day Camp
- Tuscaloosa Public Library
- Dance Marathon
- Nursing Home Visitation
- Juvenile Arthritis Research
- Capstone Event
- E-Day

Grand Bay First United Methodist Church – member  
Circlewood Baptist Church

## **ASHLEY SHANE GIBBS**

### **LOCAL ADDRESS**

120 15<sup>th</sup> Street East, Apt. 113  
Tuscaloosa, AL 35401  
(205) 345-9688  
[ashleygibbs2000@yahoo.com](mailto:ashleygibbs2000@yahoo.com)

### **PERMANENT ADDRESS**

P.O. Box 1075  
Atmore, AL 36504  
(251) 368-8030

### **OBJECTIVE**

Seeking an Industrial Engineering position that will enhance my knowledge and skills in engineering.

### **EDUCATION**

#### **Bachelor of Science: Industrial Engineering**

The University of Alabama, Tuscaloosa, Alabama

Expected Graduation: Fall 2004

Cumulative GPA: 3.14

Special Projects: Providing a more efficient layout for the Houser computer lab located at the University of Alabama.

#### **Associate of Arts: Mathematics**

Faulkner State Community College, Bay Minette, Alabama

Graduated: May 2001

### **WORK EXPERIENCE**

Sales Associate, May 2003-

Dillards, Tuscaloosa, Alabama

- Assist customers
- Design layouts for merchandise
- Sell quotas

Sales Clerk, June 2002-January 2003

The University Supply Store, University of Alabama,  
Tuscaloosa, Alabama

- Built product files
- Processed mail orders
- Assisted customers

Teller, August 1999-August 2001

The First National Bank of Atmore, Alabama

- Teller
- Balanced tray with 15,000 dollars
- Balanced bank's vault
- Searched for counterfeit money
- Worked with the public

### **COMPUTER SKILLS**

Experience in Fortran, AutoCAD, Lingo, Lindo, Simon, Arena, Minitab, Word, Excel, Access, Windows 95-XP, and Internet.

### **LEADERSHIP**

EEC Representative for the Institute of Industrial Engineers

Student Alumni Association

Phi Theta Kappa Honor Society

Alpha Pi Mu Engineering Honor Society

College of Industrial Engineering Scholarship

Harriet L. and Walter B. Smith Memorial Endowed Scholarship

Engineering Scholarship Fund Scholarship

Alabama Baseball Hostess

Chi Alpha Fellowship

### **REFERENCES**

Available upon request

## OBJECTIVE

To obtain a position in the fields of Industrial Engineering, Systems Analysis, or Computer Information Systems in order to gain experience in dealing with today's technical environment

## EDUCATION

University of Central Florida, Orlando, FL

M.S. in Industrial Engineering focus on Management, Anticipated Graduation May 2005, Cumulative GPA: 4.0

University of Miami, Coral Gables, FL

B.S. in Systems Analysis, Minor in Computer Information Systems, December 2002, Cumulative GPA: 3.2

Honors/Activities:

- Provost Honor Roll, National Dean's List, Florida Bright Futures Merit Scholarship, Henry King Stanford Half Tuition Scholarship, 15<sup>th</sup> Annual HACU (Hispanic Association of Colleges and Universities) Conference Scholarship Recipient
- Alumnus of Alpha Kappa Psi-A National Professional Co-ed Business Fraternity-Held Pledge Educator and Historian Positions
- Assisted the community through Hurricanes Help the Hometown and Kids-N-Culture
- Miami Salsa Craze Dance Club and UM Wellness Center—Salsa Instructor

## WORK EXPERIENCE

Department of the Interior-Minerals Management Service: Camarillo, CA

*Automated Data Processing Intern*, June 2002-August 2002

- Developed layout and constructed informational pages, created links, and optimized images for the summer internship program within the organization, which resulted in an increased awareness of the program by university students

Zorilla & Garcia-Oliver, LLC: Miami, FL

*Administrative Assistant*, February 2002-May 2002

- Edited pre-bills, posted invoices to time and billing system, monitored attorney compliance with billing system and maintained files for pre-bills
- Coordinated calls from recurring partners and companies regarding board meetings, court proceedings, and conferences

Walt Disney World College Program: Orlando, FL

*Fall Intern/Cast Member*-Disney's Magic Kingdom-Attractions, August 2001-December 2001

- Assisted in optimizing the quality of customer service by directly interacting with park guests in order to ensure that their needs and expectations of that service were met, consequently increasing customer loyalty
- Developed interpersonal and teamwork skills by undergoing intensive training to create and solidify customer relationships through open communication and determining customer needs

Department of Transportation-Federal Aviation Administration (FAA)-Transportation Security Administration (TSA)- Williams J Hughes Technical Center Aviation Security Department: Atlantic City, NJ

*Summer Intern-Computer Scientist*, June 2001-August 2001

- Supported the Aviation Security Technology Integration Program by analyzing the impacts of integrating new security technologies on airport and air carrier operations using Extend—a modeling and simulation tool
- Researched inefficiencies and provided a cost-effective alternative to deployment of large and expensive certified explosive detection systems

University of Miami George A. Smathers Student Wellness Center: Coral Gables, FL

*Membership Supervisor*, February 1999-June 2001

- Supervised and trained membership assistants on new member registration, customer service, and facility policies thus strengthening assistants' ability to become self-starters
- Maintained new customer database using Access and in the process realized a diminishing trend in the customer base therefore established direct communication with former patrons and reacquired contracts

## SKILLS

- Fluent in Spanish
- Microsoft Word, Microsoft Excel, Microsoft FrontPage, Microsoft PowerPoint, Microsoft Access, Fortran Programming, C Programming, HTML, Extend, Photoshop 6.0, and SQL

## VIKAS GROVER

417, Reed Street, Apt # 3B, Tuscaloosa, AL, 35401. Ph: (205) 343-6895. Email: grove002@bama.ua.edu

### EDUCATION

**Master of Science (MS) - Industrial Engineering (Expected Graduation: December 2001)**  
University of Alabama, Tuscaloosa, AL. CGPA 4.0.

**Core Courses:** Integer Programming, Data Base Management Systems, Project Management, Expert Systems, Simulation, Advanced Linear Programming, Supply Chain Management, and Advanced Engineering Economics.

**Bachelor of Technology (B. Tech) - Industrial Engineering: (June 1997)**  
Regional Engineering College, Jalandhar, India.

**Core Courses:** Operations Research, Statistical Quality Control, Reliability, Production Planning & Control, Management Information Systems, Productivity Management, Engineering Economics, Marketing and Financial Management, Work Study, Facilities Planning and Plant Layout, Materials Management.

### PROFESSIONAL EXPERIENCE

**Graduate Teaching Assistant (August 2001 – Present)**

**Graduate Student Assistant (June 2001 – Present)**  
College of Engineering, University of Alabama.

- Grading of Operation's Research assignment.
- Preparing solution sheet.
- Development of the Web Page.
- Contacting vendors of various equipment for new laboratory set up.

**Graduate Research Assistant (August 2000-May 2001)**  
a) Alabama Productivity Center, University of Alabama.

- Development of Expert Systems: Complete expert system shell evaluation was done for an architectural company. The best shell was proposed on the basis of company's requirements. Knowledge acquisition for the project was done from the company's questionnaires.
  - Cost Reduction and Material Handling improvement: Developed multiple facility layouts to improve the efficiency of the various layout operations and also created a baseline to financially evaluate each of the potential layouts. A complete backward integration was done to find the raw material used and splitting of raw material inventory was done using quantitative estimates.
- b) Department of Transportation, University of Alabama
- Developed a Simulation Model for All Way Stop Control three-leg and four-leg intersections: ARENA package was being used and parameters like traffic delays and queue time were being taken into consideration. From the data collected on the intersections, the best distribution fits were found to put in ARENA model.
  - Worked on the presentation of Manual of Uniform Traffic Control Devices (MUTCD).

**Industrial and Production Engineer (Jan 2000-June 2000)**  
Arvind Board and Paper Processing Ltd., Jalandhar, India.

- Scheduling and assignment of the work centers on the basis of work orders.
- Optimization techniques were applied for transporting the finished products to its destination.

**Faculty Member (February 1999 -December 1999)**

Department of Industrial Engineering, Regional Engineering College, Jalandhar, India.

- Course Coordinator of the following courses: Computer Aided Design and Manufacturing, Value Engineering, Industrial Economics and Social Sciences, Industrial Management and Process Economics (includes contents of Operation Research and Quality Control), Engineering Metrology.
- Developed the Statistical Quality Control laboratory.
- Involved in conduct, evaluation and counseling of Common Entrance Test in July-August 1999, a state level entrance examination for admissions to various Engineering colleges of Punjab State.

Contd..

## VIKAS GROVER

### Industrial and Production Engineer (July 1997-January 1999)

Krishna Engineering Works, Jalandhar India.

- Worked toward achieving ISO 9002 certification for the company.
- Developed line-balancing techniques for the company: The implementation lead to reduction in bottlenecks and idle time of men and machines. The minimum time operations were combined to save the running cost.
- Designed Material Handling System for the company: Trolleys for transportation of work piece were designed resulting in improving quality and reducing manpower.
- Applied statistical techniques in the company.

### MASTER'S THESIS

Development of a web -based expert system for the diagnosis and analysis of surface defects and inclusions in metal castings.

- Visual Rule Studio (an expert system shell) is used in this project. The visual rule studio is integrated with the web using ASP and VB Script.
- The primary objective of this thesis is to help the small foundries in U.S.A to have expert guidance at no cost.
- Knowledge acquisition was done by consulting the experts in the casting field and represented in the format that the visual rule studio reads.

### ACADEMIC PROJECTS

- Developed an expert system for troubleshooting computer networks and its peripherals. The application was developed using Level 5 Object Shell (OOPS).
- Developed Database for hospitals: SQL and MS Access were used in this project. Requirement collection and analysis was done to understand the essential relationships among the several entities and Entity-Relationship (ER) model was developed. A relational model was mapped from this ER model and a conceptual schema was developed using SQL. The database was populated by embedding SQL in C++ (Pro C++) and Open Database Connectivity (ODBC). Indexing techniques were also applied to assess the performance of the queries.
- Developed Simulation Model for the Orthopedic Ward of the hospital: Project Management techniques were applied. Complete work breakdown structure was made and project cost was determined beforehand. MS Project was used in this project.
- Wastage Reduction and Plant Layout at Leader Paper Processing Ltd., Jalandhar: A combination type layout was proposed. Cost reduction techniques were applied resulting in manpower saving by 20%.
- Reduction of excess inventory at Hindustan Machine Tools Limited, Pinjore.
- Developed queuing theory application to service outlets.

### COMPUTER SKILLS

Programming Languages:

Databases:

Others:

C, FORTRAN 90.

Microsoft Access, SQL, Oracle, FoxPro.

Microsoft Office, MS Project, Web Page Designing (HTML, DHTML, ASP, Java Script, VB Script), Level 5 object, Auto CAD, ARENA 3.0, Visual Rule Studio, Lindo, Lingo.

### HONORS AND ACTIVITIES

- Ranked 2<sup>nd</sup> in final Semester of B. Tech. Industrial Engineering program in University.
- Participated in Entrepreneurship Development Program conducted by Department of Science and Technology, Government of India.
- Delivered a seminar on 'Japanese Contribution to World Class Manufacturing'.
- Summer internships at Hindustan Machine Tools (6 weeks) and Rail Coach Factory (5 weeks).

## CHRISTINA E. HARRIS

1800 Foxcroft Rd.  
East Lansing, MI 48823  
PH 517-333-1706  
char8621@postoffice.uri.edu

### Education

BS Industrial Engineering, University of Rhode Island, Kingston  
Heritage Hall Upper School, Oklahoma City, Oklahoma

Expected May 2005  
2000

### Employment

University of Rhode Island, Work-Study  
Camp Cheverim, Camp Counselor  
Heritage Hall School Store, Customer Service

2000-Present  
summers 1997-2000  
1997-1998

### Activities

Institute of Industrial Engineers  
Treasurer

2003-Present

Society of Women Engineers  
Vice President  
Treasurer

2003-Present  
2002-2003  
2000-2001

Public Relations Officer

2002-Present

National Society of Black Engineers, Member

2000-Present

University of Rhode Island Symphony Orchestra, Violinist

National Figure Skating Championships

2003

Volunteer; Dallas, Texas

2002

Volunteer; Los Angeles, California

2000

Oklahoma State Senate, Page

1999

University of Michigan, Summer Engineering Exposure Program

1998-2000

Explorers' Post #2203 (Engineering Troop), Founding Vice-President

1999-2000

Heritage Hall Upper School International Club, President

1996-2000

Oklahoma Youth Symphony, Violinist

summer 1998-1999

St. George's School Summer Program, Newport, Rhode Island

1998-2000

Heritage Hall Upper School Soccer Team, Goalie

### Skills

MS Office Programs including WORD, EXCEL, POWERPOINT  
Maple Mathematical Solution Software  
Autocad Drafting Software

Visual Basic Programming Language  
ProModel Simulation Software  
MASTAN2 Stress Analysis Software



**Walter H. Hayes**  
Hayes033@bama.ua.edu

**Current Address:**

329 Reed St. Apt. 251  
Tuscaloosa, AL 35401  
(256) 566-9520

**Permanent Address:**

29340 Hwy. 278  
Addison, AL 35540  
(256) 747-2361

**Objective:**

To obtain a Co-op or Internship with an emphasis in Industrial Engineering.

**Education:**

The University of Alabama, Tuscaloosa, AL  
Major: Industrial Engineering  
Sophomore  
Expected Graduation: May, 2005  
GPA 3.53/4.0

**Work Experience:**

*Cashier-* Hyatt's Market, Addison, AL  
Summer 2001, 2002  
Operated cash register and assisted customers.

*Window Installer-* Southern Lifestyle Homes, Addison, AL  
Summer, 2000  
Installed windows and assisted with decking.

**Computer Skills:**

MS Word, Excel, Powerpoint, Matlab, Autocad, Minitab

**Honors/Activities:**

Alpha Pi Mu  
*Treasurer*, 2003-2004  
Institute of Industrial Engineers  
*Treasurer*, 2003-2004  
Tau Beta Pi Outstanding Sophomore Award  
Phi Theta Kappa  
Marvin Griffith Industrial Engineering Scholarship  
Capstone Engineering Scholarship  
Luther and Virginia Maxwell Scholarship  
National Society of Collegiate Scholars  
President's List  
Dean's List

## **PAULA K. HUGHES**

126 Chandler Drive  
Alabaster, AL 35007

pkhbama@bellsouth.net  
(205) 621-4774

### **SUMMARY OF QUALIFICATIONS**

Industrial Engineer experienced in project management, continuous improvement, root cause analysis and design of effective quality systems. Strong manufacturing background. Effective communicator able to establish rapport and credibility with diverse groups ranging from production operators to senior managers.

### **WORK EXPERIENCE**

Ward's Cabinetry Inc. (15 million dollar subsidiary of Hackney Corporation): Clanton, AL  
**Plant Engineer February, 1999 – August, 2002**

- Designed manufacturing systems that resulted in positive impact to the bottom line
- Worked with sales and marketing to develop new products
- Designed and implemented a production scheduling system
- Designed and implemented an Engineering Change Request system
- Implemented corrective and preventive action program that reduced customer claims from 3.2% to 1.8%

Velcon Filters Inc.: Sylacauga, AL  
**Quality Manager 1996 – 1999**

- Managed implementation of ISO 9000 at multiple plant locations.
- Designed and managed a Quality System that improved efficiency and reduced rejects.

**Corporate Engineer 1993 – 1996**

- Redesigned production processes to improve efficiency and reduce material usage at multiple plant locations.

### **EDUCATION**

Bachelor of Science, Industrial Engineering, University of Alabama, Tuscaloosa, AL  
Certified ISO 9000 Lead Auditor

### **AFFILIATIONS**

Institute of Industrial Engineers  
American Society for Quality Control  
University of Alabama Alumni Association

# Melissa Huynh

2530 Lombardy Drive (409) 985-4861  
Port Arthur, TX 77642 (409) 720-1298 pager  
[mmhuynh209@yahoo.com](mailto:mmhuynh209@yahoo.com)  
October 2003

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**Objective** To obtain a challenging position in the field of industrial engineering for the development and improvement of professional skills.

**Education** Lamar University Beaumont, TX  
Bachelors of Science in Industrial Engineering  
Expected graduation: May 2004  
Courses: Safety, Probability and Statistics, Simulation, Visual Basic, Quality Control, Management  
  
Thomas Jefferson High School Port Arthur, TX  
Graduated Cum Laude  
Activities: National Honor Society, Odyssey of the Mind, Business Professionals of America, Jacket Service Corps., Heralds

**Experience** 1998-Present KB Toys Port Arthur, TX  
Full Time Assistant Manager  
Manage employees, train new employees, plan and delegate tasks, merchandise product, increase sales, handle customer service issues, perform daily paperwork  
  
1992-Present Mark's Grocery Port Arthur, TX  
Crew Member  
Stock shelves, slice deli meats, make sandwiches, perform cashier duties, light bookkeeping, order new inventory

**Organizations** Society of Women Engineers (5 Yrs.) – Treasurer Fall 2000, Chair for Annual College of Engineering Softball Tournament Fall '99 & Fall '00  
Institute of Industrial Engineers (5 Yrs.)  
Campus Animal Rescue & Education – Fundraised money through bake sales, raffles, and link sales. (1999-2000)  
Lamar Freshmen Orientation Parent Peer Advisor (Summer 2000)  
Amnesty International Peace Cycle (Spring 2000)

**Honors** KB Toys 5 Year Service Anniversary Award (September 2003)  
SWE Recognition for Engineering Softball Picnic (1999-2000)  
KB Toys Star Award Monthly Sales Associate (June 1999)  
SWE United Technology Scribe Award (June 1999)  
SWE Recognition as Fundraiser (1998-1999)  
Lamar University Academic Scholarship (May 1998)  
(other awards & honors achieved in high school)

\*\* References available upon request. \*\*

# AMIT MADAN

417 Reed Street, Apt # 3B  
Tuscaloosa, AL 35401

Home: (205) 343-6895  
Email: [madanamit@hotmail.com](mailto:madanamit@hotmail.com)

## EDUCATION

**Master of Science in Industrial Engineering, University of Alabama.(GPA- 3.24)**

**Courses:** Database Management Systems, Integer Programming, Project Management, Expert Systems, Systems Simulation, Advance Linear Programming, Advance Engineering Economics, Applied Linear Regression Analysis, Statistical Methods(Auditing), Advance Information Systems(Auditing).

**Bachelor of Technology (B.Tech) - Chemical & BioEngineering: (May 1999)**

Regional Engineering College, Jalandhar, India (68%)

## EXPERIENCE

**Graduate Research Assistant, University of Alabama.**

**Department of Industrial Engineering.(August 2001- Till Present)**

Currently, working on the Infrastructure Project for UTCA (The University Transportation Center, Alabama). Developing an integrated Project Cost/ Schedule Risk Management Tool using MS Visual Basic for a user-friendly front-end and to generate easy-to-use risk alerts output. Linking MS Project 2000 with Level 5 Object expert system shell to use Project Management techniques. Project focuses to develop an expert system "add-on" to Microsoft Project 2000.

**Department of Transportation (August 2000 – May 2001)**

- Developed a simulation model of three-way and four-way AWSC (All Way Stop Control) intersections for the UTCA (University Transportation Center of Alabama) using Arena 3.0 software. Collected data on the busy intersections and analyzed the data using Input Analyzer (an in-built tool) in Arena software to get best probability distribution fits. Model is verified and validated by using Output Analyzer for different runlengths.
- Developed a Short Course entitled "Highway Capacity Manual 2000 Training" to provide training to transportation professionals in Alabama, which would provide them with a timely explanation of the existing and new materials.

**Graduate Research Consultant (Hanna Steel Corp., Alabama)**

- Worked with Quality Assurance Manager for one of their clients to perform PFMEA (Process Failure Mode and Effect Analysis).
- Performed Gage R&R (Gage Repeatability and Reproducibility) study, Capability analysis and plotted bell shaped curves for different measurements of the samples.
- Prepared Process Flow Charts and Control Plans sheets for the Processes involved.

**Graduate Engineer Trainee (August 1999 - June 2000)**

Silver Sports Regd., Jalandhar, India.

- Supervised the plant as a Production Engineer.
- Helped in designing the new layout of the plant.
- Worked with the company in their new product launch.

## Academic Projects

### Team Projects:

- Developed a database for the medical center using SQL and MS Access. Pro C, OLE, ODBC and C++ were used to embed SQL and populate data from different files. Applied the concepts of ER Modeling and ER mapping to develop a database. Provided user with different queries and different user views.
- Developed a simulation model for AWSC (All Way Stop Control Intersections) with an objective to apply project management techniques to handle complex research projects. MS Project 2000 is used as supporting software to carry out Critical Path Analysis, Resource Allocation, Project Tracking, Cost Variance analysis and developing network diagram.
- Developed a Diet Diagnostic Expert System using Level 5 Object shell. Gathered knowledge base from experts of University Medical Center and used that knowledge base in the system by using PRL (Production Rule Language). Applied heuristics and forward chaining to develop a multi-goal oriented expert system.

## Industrial Training

Prabhat General Agencies, Hoshiarpur, India (June 1997 - July 1997)

- Helped the industry to improve the layout of the plant.

Sukhjot Starch and Chemicals Ltd. (June 1998 - August 1998)

- Done project on the Plant Design for the Manufacture of Sorbitol.

## **AMIT MADAN**

417 Reed Street, Apt # 3B  
Tuscaloosa, AL 35401

Home: (205) 343-6895  
Email: [madanamit@hotmail.com](mailto:madanamit@hotmail.com)

### **COMPUTER SKILLS**

Operating systems	Microsoft Windows 2000, DOS.
Programming Languages	Fortran 77, C, and C++.
Simulation Software	Arena 3.0.
Databases	Microsoft Access, Oracle 8.0, and FoxPro.
Statistical Softwares	MINITAB.
Application Development	Web Page Designing - HTML, DHTML, VB-Script.
Others	Microsoft Office, MS Project 2000, Level 5 Object, LINGO, LINDO.

### **HONORS AND EXTRACURRICULAR ACTIVITIES**

- GRA for department of Transportation Engineering for the year 2000-2001.
- GRA for department of Industrial Engineering for the year 2001-2002.
- Member National Service Scheme (NSS) for year 1995 - 1996.
- Member Chemical Engineering Society, Regional Engineering College, Jalandhar.

# Karen D. McGough

618 12<sup>th</sup> St. #K  
Tuscaloosa, AL 35401  
(205) 391-0979  
kdmcgough@yahoo.com

## Education

**Master of Science**, expected May 2004  
The University of Alabama, Tuscaloosa, AL  
Industrial Engineering  
GPA: 4.0

**Bachelor of Science**, May 2002  
The University of Alabama, Tuscaloosa, AL  
Major: Optimization Mathematics  
Minor: General Business  
GPA: 3.2

## Related Courses

- Quality Engineering
- Statistical Quality Control
- Engineering Statistics
- Network Optimization
- Project Management
- Human Factors and Ergonomics
- Modeling the Supply Chain
- Statistical Data Management
- Reliability, Maintainability, and Total Productive Maintenance

## Computer Skills

Microsoft Word, Excel, PowerPoint, Project, Outlook, WordPerfect, Mathematica, MatLab, Minitab, Eudora, Windows 95-XP, Internet Explorer, Netscape Navigator, currently learning SAS

## Work Experience

**Summer Intern**, Summer, 2003, BE&K Industrial Services, at Honda of America Mfg, Inc. site, Lincoln, AL

- Process data for new plant
- Assist engineers in day to day processes
- Assist maintenance associates when needed
- Organize and assist in computerizing small parts inventory
- Organize library
- Complete Lock-Out Procedures

**Research Assistant**, August 2002–May 2003, University of Alabama, Tuscaloosa, AL

- Assist Professor in Research Project: Supply Chain Quality Engineering
- Literary Research
- Will narrow into specific topic for Master Thesis

**Mathematics Tutor**, June-July, 2001, The Capitol School, Tuscaloosa, AL

- Tutored High School students in Algebra I, Algebra II, and Geometry

**Assistant Store Manager**, August 1996-August 2000, Blockbuster Video, Charleston and Huntington, WV

- Managed twenty employees
- Responsible for monetary transactions ranging from \$2,000 to \$8,000 a week
- Prepared weekly schedules and conducted monthly inventories
- Interviewed and hired new employees
- Provided customer service on daily basis
- Acted as Store Manager in Manager's absence

**Supervisor**, August 1995-August 1996, TCBY Yogurt, Charleston, WV

- Supervised six employees
- Responsible for monetary transactions
- Helped prepare supply orders
- Provided customer service on a daily basis

## Honors and Activities

- Graduate Council Research Fellowship recipient– Tuition and Stipend
- Michael Perry Freshman Scholarship recipient - Freshman
- Austin and Sibyl Perry Scholarship recipient – Freshman
- President's List – 1 Undergraduate semester, 2 Graduate semesters
- Dean's List – 3 Undergraduate semesters
- Institute of Industrial Engineers (IIE)
- Society of Women Engineers (SWE)  
-- Engineering Executive Council (EEC) Representative
- Church Pianist and Youth Leader

# MARION S. McINTOSH

P.O. BOX 861787  
Tuscaloosa, Alabama 35486-0016  
(205) 347-4990

E-mail: marionmcintosh@hotmail.com

86 Tulip Drive  
Monroeville, Alabama 36460  
(251) 575-4531

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## EDUCATION

**The University of Alabama, Tuscaloosa, AL**  
Bachelor of Science: Industrial Engineering  
Minor: General Business

Industrial Engineering GPA: 3.04 Cumulative GPA: 2.796  
Expected Graduation Date: May 2003  
Co-op Graduate

## COMPUTER SKILLS

Software: AutoCAD, Easy Flow 2.0, Lindo, Lingo, Minitab, SIMAN, and Microsoft Office Suite  
Operating Systems: Windows  
Languages: HTML – Intermediate Level  
Networks: Internet, Intranet, and Windows

## WORK HISTORY

### Co-Op Engineer, Southern Company Services, Inc., Birmingham, AL. May 1999 – August 2001

- First Work Term
  - Attained working knowledge of wholesale electric market: Pricing, customers, terminology, etc.
  - Enhanced computer skills: Excel, Power Point, Outlook, Word, Access Database, etc.
  - Learned business basics: significance of revenue, costs, net income, IRR, etc.
  - Developed “network” of working relationships
- Second Work Term and Fourth Work Term
  - Completed assigned projects in a timely and accurate manner: Billing support, deals database support, presentation support
  - Learned Engineering Economics Basics
  - Took on independent studies as assigned
  - Built Dealeam Units, updated Workplan Database
  - Updated web site, and conducted research using Internet and Library
- Third Work Term
  - Confirmed power deals – both written and verbal. Managed files/paperwork. Worked with Traders to solve any discrepancies
  - Managed daily entry of market price information for both power and natural gas including strips and options
  - Provided back up to daily reporting activities associated with power P&L and exposure reporting
  - Performed independent analyses and/or research as required
  - Provided back-up support to Market Analysis

### Resident Assistant, The University of Alabama, Dept. of Residential Life, Tuscaloosa, AL. August 1999 – present

- Conducted Social, Academic, and Career Development Meetings
- Enforced policy among Residents
- Designed, conducted, and advertised programs that were educational as well as beneficial to Residents
- Identified problems with Residents, evaluated the situation, and executed solutions to problems
- Solicited information from different campus and commercial sources to disseminate to Residents
- Maintained a Community among residents based on respect, academics, and interaction
- Communicated information between the Administration and Residents

## HONORS

Kappa Alpha Chapter of Alpha Phi Alpha Fraternity, Inc.  
Committee of the Year Award 2001 – Service Committee

Black Faculty and Staff G.P.A. Award 1999  
Frank J. Rascoe Award 1999

## ORGANIZATIONS

National Society of Black Engineers (NSBE)  
Region 3 Fall Regional Conference Planning  
Chairperson 2001-2002  
Region 3 Publications Chair 2002-2003  
UA Chapter Treasurer 1999-2000, 2001-2002

UA Chapter Web Page Team 1998-1999  
Kappa Alpha Chapter of Alpha Phi Alpha Fraternity, Inc.  
Recording Secretary 2001-2002  
Community Service Chairperson 2000-2002  
Afro-American Gospel Choir 1998-1999

# **DANIEL FREDDY MITCHELL**

## **Permanent:**

492 Little Israel Rd.  
Tuscumbia, AL 35674  
Phone: (256) 381-5909  
Email: (danmanua@hotmail.com)

## **CURRENT OBJECTIVE**

To obtain an entry-level position in the Industrial Engineering field and work to improve the production and quality of products through the application of various techniques.

## **EDUCATION**

**Bachelor of Science: Industrial Engineering**

**Minors: General Business, Marketing**

The University of Alabama, Tuscaloosa, Alabama

Graduation Date: May 2003

Cumulative GPA 3.0/4.0 IE Major GPA 3.2/4.0

Design Projects: Office Layout, Excess Steel Width Study, Overall Equipment Effectiveness  
Excel Programs

## **EXPERIENCE**

**Quality Control Engineering Assistant**, Summer 2000, Spring 2001

Mueller Copper Tube, Fulton, MS

Updated and created data and control charts for Statistical Process Control program using Excel. Conducted studies, created charts and analyzed data on specific flaws in copper tubing. Assisted with data collection of two research projects to improve production and quality of products. Managed time studies on product flow and recommended work standards based on these studies along with creation of a rotating tube holder to improve product handling. Assisted other engineers with production flows in AutoCAD and other data analyzing tasks.

**Industrial Food Handler**, Summer 1999, Summer 2002

Jimmy Dean Foods, Florence, AL

Supplied and helped operate machines that prepared frozen foods for packaging. Other duties included sanitation, stacking and box making.

**In-store Worker**, Spring 1999

Papa Johns, Northport, AL

Prepared, cooked and boxed pizzas.

## **COMPUTER SKILLS**

Proficient in: Excel, Word, AutoCAD, PowerPoint, Windows NT, 95, 98, 2000, XP

Familiar with: Arena, SIMAN, Access, C++, FORTRAN, Minitab, html, DOS

## **LEADERSHIP**

Institute of Industrial Engineers

Society of Women Engineers – Social Committee

University Programs Technical Crew

Bama Skydivers

Alabama Yellcrew

## **REFERENCES**

Available upon request.



## JOSEPH BRETT MOORE

bmoore\_4@yahoo.com

Current Address:  
1864 Carriage Heights  
Tuscaloosa, Alabama 35404  
(205) 527-5555

Permanent Address:  
145 Shaw Drive  
Chelsea, Alabama 35043  
(205) 678-8166

**Objective** A job as a sales or an industrial engineer that will give experience for a future career in management.

**Education** **Bachelor of Science: Industrial Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: December 2003 IE GPA: 3.2  
Took Fundamentals of Engineering Exam April 2003

**Projects** **Hanna Steel HQ**, Fall 2002 & Spring 2003, Design Project, Fairfield, Alabama

- Developed and implemented a Quote-Generation-System for products never before made
- Designed a user-friendly interface with minimum inputs and maximum functionality
- Programmed system in MS Excel with Visual Basic

**Alabama Institute for Manufacturing Excellence**, Fall 2002, Tuscaloosa, Alabama  
Constructed a Facility Layout of visitor suites for 2<sup>nd</sup> floor of AIME building

**Experience** **BellSouth Corporation**, Summer 2003, Intern, Hoover, Alabama

- Generated and Mechanized daily, weekly, monthly, and yearly reports
- Developed Web pages and trouble-shooted current pages
- Documented Corporate Information online and granted access privileges to certain users

**ACIPCO**, Summer 2002, Serviceman, Birmingham, Alabama

- Contributed to the implementation of the 5S Program, which focused on visual order, organization, cleanliness, and standardization
- Maintained Machine Shop #1

**The Boardwalk**, Summer 2001, Ride Operator, Santa Cruz, California

**Gene Nichols' Construction**, Summers 1995-1999, Chelsea, Alabama

- Trained new employees in basics of wood-framing a house
- Assisted carpenters wherever needed and adapted quickly to working conditions

**Computer Skills** Java, JavaScript, UNIX, Matlab, Lingo, Lindo, HTML, XHTML, XML, SGML, Oracle, SIMAN, Arena, Minitab, Windows (95-XP), MS Access, Excel, Word, PowerPoint, FrontPage, Outlook, Visual Basic, Internet

**Honors** Bear Bryant Scholarship Recipient – Legacy of former players under Coach “Bear” Bryant  
Franklin Academy Endowed Scholarship Recipient – Engineering Scholarship  
Wildes Endowed Scholarship Recipient – Industrial Engineering Scholarship  
Dean’s List

**Activities**

- Alabama Football (2000 & 2001 – Letterman)
- IIE, Institute of Industrial Engineers member
- FCA, Fellowship of Christian Athletes
- Refuge (Freshman Bible Study Assistant)
- Campus Crusade for Christ (Small Group Bible Study Leader, Santa Cruz Summer Project)
- Intramural Sports (QB of champion flag football team, G of 2-time champion basketball team)
- Mark’s Madness member (Basketball Organization)

**Volunteer/ Comm. Work** Visited inner-city families in Atlanta over Christmas Holidays (2000-2002)  
Worked with children and residents of Santa Cruz, California (Summer 2001)

*References available upon request*

319 Grace Street # 21  
Tuscaloosa Alabama 35401

**RAMESH MORE**  
E-mail: [more001@bama.ua.edu](mailto:more001@bama.ua.edu)

Phone: (C) 205 886 3972  
(H) 205 345 1809

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## OBJECTIVE

A full time career as a Manufacturing/ Industrial Engineer to utilize my skills and experience in Manufacturing Processes, Ergonomics, and Time Study.

## EDUCATION

### Master of Science Degree in Industrial Engineering

The University of Alabama. Tuscaloosa, Alabama.

Expected Graduation Date: December. 2002. GPA: 3.50/4.00

Coursework: Information Systems Design, Network Optimization, Non Linear Programming, C++ Programming, Relational Database Management Systems, Management Science II, Ergonomics.

### Master's Research

Title: "A pilot study on traumatic hand injury in the workplace."

Application of an analytical technique – "Case Crossover Design" to quantify risk factors of a hand injury.

Required the participation of local medical centers, industries, and conducting interviews.

The research findings are published in the IERC 2002 conference proceedings.

### Master of Business Administration – Marketing

The University of Pune. Pune, India.

Graduation Date: December 2001. GPA: 3.50/4.00.

Coursework: Marketing Management I - IV, Quantitative Techniques, Principles and Practices of Management, Managerial Economics, Accounting, Strategic Management.

### Bachelor of Science Degree in Mechanical Engineering

The University of Pune. Pune, India.

Graduation Date: July 1996 G.P.A 3.50/ 4.00.

Coursework: Engineering Mathematics I - IV, Engineering Mechanics, AutoCAD, Computer Applications, Automobile Engineering, Industrial Engineering, Manufacturing Processes.

## INTERNSHIPS

JVC Disc America (Recruiter-Adecco). Tuscaloosa, Alabama.

8/2002 - Present

Formal Title: Disc Controller.

- Data management of incoming and outgoing inventory on AS400 system.
- Process work orders for packaging to various packaging machines.
- Inventory control of 200,000 discs daily between final inspection and packaging department.

Mercedes Benz U.S. International (Recruiter-Initial Staffing). Tuscaloosa, Alabama.

5/2000 - 8/2000

Formal Title: Data Analyst.

- Data analyst in Supplier Management Group for root cause analysis of quality defects.
- Responsible for database design, data collection, data entry, Pareto and engineering analysis.
- Automated data entry, report and chart generation in MS Access 97, MS Excel 97, VBA, SQL.

5/1998 – 8/1998

Advani Oerlikon Ltd. Pune, India.

Formal Title: Market Research Analyst.

- Recommendations to improve Pre-sales and After-sales Service to Customers.
- Responsible for project design, market research, data analysis, SWOT analysis, presentation of results.
- Identified market share, customer satisfaction for client vs. competitor products by the point rank method.

## **RAMESH MORE**

### **WORK EXPERIENCE**

The University of Alabama, Tuscaloosa, Alabama.

**8/1999 - 8/2002**

Formal Title: Research and Teaching Assistant.

- Clinical data analysis of occupational hand injuries.
- Responsible for data collection, system design, data analysis, and technical report.
- Developed a system for data entry, reporting in MS Access, MS Excel, VBA, and SQL.
- Project results published in IERC 2002 conference proceedings.
- Teaching Assistant for the human factors and ergonomics course.
- Conducted classes, labs, exams in time study, motion study, performance rating techniques, MOST software, facility layout, flow charts, standard time determination and standard allowances.
- Provided training in Fortran 90 programming to a computer lab of 70 students.

Bajaj Tempo Ltd., Pune.

**8/1996 - 8/1999**

Formal Title: Engineer

- Department coordination, work assignment, maintaining reports in the transmission plant.
- Conducted SPC to maintain grinding tolerances, achieved production and spare part supply targets.
- Conducted time studies, machine layout planning to improve department efficiency.
- Responsible for checking dimensional parameters and contact patterns of hypoid and spur gears.

### **PROJECTS**

- A pilot study on traumatic hand injuries at the workplace. (Feb 2002)
- Application of Markov chain and steady state equations to Baseball. (May 2001)
- Engineering job search database project in Oracle, PL/SQL, and Pro C++. (Dec 2000)
- To measure the visibility accuracy of color and font on computer screens. (Dec 2000)
- Root cause detection of defects on automobile metal stampings. (Aug 2000)
- Advertising planning decision system using MS Excel 97 and VB 5.0. (May 2000)
- Simulation of complex terminating and non-terminating systems in Arena. (May 2000)
- Forecasting and budget planning information system in MS Access. (Dec 1999)
- Recommendations to improve presale and after sale service to customers. (Aug 1998)

### **COMPUTER SKILLS**

Operating Systems: MS-DOS, MS Windows 98/2000, Windows NT4.

Applications: Office 2000, Arena, SAS, MOST, AutoCAD.

Programming: PL/SQL, C++, C, VBA, Siman, FORTRAN 90, HTML.

Databases: MS Access, MS Excel, Oracle 8.0.

### **ADDITIONAL INFORMATION**

German Language Course.

IIE Student Member at The University of Alabama chapter.

IATAP Certification.

Home: 801.394.7427  
Cell: 518.542.0318

**ASHLEY PHILLIPS**  
philla2@rpi.edu

2788 Shamrock Drive  
Ogden, UT 84403

- EDUCATION:** **Rensselaer Polytechnic Institute** Troy, New York  
Anticipated graduation 2006  
- Pursuing B.S. in Industrial and Management Engineering, Minor in Industrial and Organizational Psychology  
- Emily Roebling Scholarship
- Rowland Hall – Saint Mark's School** 1996-2002 Salt Lake City, Utah  
National Honor Society 1999-2002
- WORK** **ATK Composite Structures** Summer 2003  
**EXPERIENCE:** Summer Intern: Material/Production Control Administrator II  
- Worked in a variety of office settings such as Research and Development, Purchasing, and Process Engineering  
- Performed a variety of jobs including parts status, filing, organizing ship orders, organizing and closing purchase orders
- LEADERSHIP** Lockheed sponsored STARS Leadership series 2003-2004  
**EXPERIENCE:** WISE (Women In Science and Engineering) sponsored by IBM September 2003  
Attended a Unitarian Universalist Youth Leadership Conference 2001
- INTERESTS AND** **Society of Women Engineers**, Professional Society dedicated to the advancement of women in engineering,  
**ACTIVITIES:** National member, Publicity Coordinator - promoted SWE on campus, organized and created resume books, and organized information booths for accepted students' day and activity fair 2002-Present
- Women at Rensselaer Mentor Program**, A Program to help first-year students to make a smooth transition, Freshman Mentee Dorm Captain, Mentor of two freshman students 2002-Present
- Institute of Industrial Engineers**, Professional Society dedicated to the support of the industrial engineering profession and those involved in it, member 2003
- Advanced Space Academy and Space Academy** in Huntsville, Alabama 1998-2001  
- Received one credit hour in ES100 Intro. to Space Science from the University of Alabama in Huntsville.  
- Won the "sharpshooter" award, Mission Commander, Team placed first on the Area 51 Teamwork Obstacle Ropes Course
- Young Religious Unitarian Universalists**, President - Responsibilities included organizing and setting up classes, planning curriculum, chapels, and activities, Webmaster, Junior Worship Associate, Co-Leader - planned activities and youth trips 1998-2002
- FILM** **Spy Hop Film Production Company** in coordination with Higher Ground Learning 1997-2002  
**EXPERIENCE:** - *Messages: An Olympics Documentary* 2001-2002  
Screened at the Salt Lake Arts Center and the Tower Theater  
- *Sticks and Stones* 2001-2002  
Premiered at the Tower Theater in Salt Lake City, accepted into Mill Valley Film Festival, and the Hamptons International Film festival  
- *The Hourglass Project* 1999-2001  
Fifteen minutes were purchased by HBO. Premiered at the Salt Lake Arts Center, Screened at the Gen-Y Studio at the Sundance Film Festival  
- *Big Nick's Day at the Beach* 2001  
Premiered at the Tower Theater in Salt Lake City  
- *Mail Order Granny* 1999
- SKILLS:** - MS Word, Excel, PowerPoint, Microsoft Publisher, Adobe Photoshop, Solid Works 2001, Maple 8, Outlook, Logger Pro, Impresa, Oracle, Minitab  
- Windows XP Professional, Windows 98, Windows 95  
- Digital Photography
- REFERENCES:** Available upon request

**Local Address:**  
2800 McFarland Blvd E  
Apt. 305  
Tuscaloosa, AL 35405

**Amanda L. Pugh**  
**Email:** [pugh014@bama.ua.edu](mailto:pugh014@bama.ua.edu)  
**Phone:** (205) 507-7852

**Permanent Address:**  
1254 Brooksville Rd.  
Dickinson, AL 36436  
**Phone:** (334)636-2281

**Education:** **Bachelor of Science: Industrial Engineering**  
**Minor:** General Business  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2004  
Cumulative GPA 3.0/4.0

**Experience:** **Alabama Online High School**, Fall 2002-present  
Tuscaloosa, Alabama  
Serve as technical and administrative support. Design online instructions for high school students and administrators.

**Engineering Intern**, Summer 2002  
Alabama Online High School, Tuscaloosa, Alabama  
Moved courses from Lotus to Blackboard. Wrote and documented technical processes through technical writing. Designed and built courses. Developed process to incorporate sound files into Blackboard. Developed training course for online teachers.

**Freedom School Intern**, Summer 2001  
Martin Luther King Redevelopment Center, Mobile, Alabama  
Instructed reading and comprehension skills for six weeks to secondary school age students. Received training at the Children Defense Fund and Black Community Crusade for Children leadership camp.

**Office Assistant**, Fall 2001-Spring 2002  
Assisted Coordinator for Athletic Academic Services with various daily tasks including creating Excel spreadsheets.

**Tutor**, Fall 2001  
The University of Alabama, Tuscaloosa, Alabama  
Tutored students in the College of Engineering TIDE curriculum courses including math, chemistry, general engineering studies, and computer science.

**Engineering Intern**, Summer 2000  
Clarke Washington Electric Membership Cooperation, Jackson, Alabama  
Assisted electrical engineer with his daily duties. Entered data into an electronic filing system. Rotated through company's finance and service departments.

**Computers:** Introduction to C++, Introduction to HTML, Introduction to MatLab, Lotus 123, AutoCAD, Windows 95-XP, Microsoft Excel, Microsoft Word, Microsoft Access, Microsoft Powerpoint, Email, Lingo, Dreamweaver, Photoshop, Blackboard, Internet Explorer, Internet Netscape

**Leadership:** National Society of Black Engineers, Sigma Gamma Rho Sorority Incorporated Vice President, National Association for the Advancement of Colored People, J.L. Bedsole Scholar, University of Alabama Presidential Scholar, National Panhellenic Council Delegate, Dean's List

**References:** Available upon request

# **Brandy O. Reed**

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**Permanent Address:**

100 Jefferson Drive  
Columbus, GA 31907  
(706) 689-6924

**School Address:**

141 Wright Street Apt. 7  
Auburn, AL 36830  
(334) 821-1923

**E-mail:** [reedbro@hotmail.com](mailto:reedbro@hotmail.com) / [reedbro@mail.auburn.edu](mailto:reedbro@mail.auburn.edu)

**Objective:** To successfully obtain a position in an environment that utilizes Industrial & Systems Engineering.

**Education:**

Auburn University  
Auburn, AL  
Major: Industrial & Systems Engineering, Minor: Business  
May 2004

**Work Experience:**

Aug 2003-present

**Auburn University, Industrial Engineering Department**

Auburn University, AL  
*Undergraduate Research Assistant*  
•Electrical Manufacturing and Reliability

Aug 2002-present

**Office of Information Technology**

Auburn University, AL  
*Front Desk Assistant*

June 2000-Aug 2003

**Bellsouth Minority Engineering Program**

Auburn University, AL  
*Mentor/Tutor*  
•Assist freshmen and transfer engineering students in entry-level math and science  
•Mentor students through the first few semesters of college

June 1998-Sept 1999

**United Parcel Service (UPS)**

Columbus, GA  
*Auditor*  
•Performed weight/size audit on incoming/outgoing packages  
•Responsibilities included checking incoming/outgoing packages or proper wrapping, zip codes, and addresses to insure conformity with delivery specifications

**Honors/Awards:**

Minority Engineering 1999 High Achiever Award  
Minority Engineering 1999-2000 Student of the Year Award  
National Society of Black Engineers (NSBE) Outstanding Freshman, Sophomore, Junior of the Year Award

**Professional Memberships:**

National Society of Black Engineers (NSBE) ~ Secretary (2001-2003)  
Alpha Kappa Psi – Professional Business Fraternity

**Computer Skills:**

Microsoft Word, Excel, PowerPoint, Lingo/Lindo, Arena, C, C++, Java programming, UNIX

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*References available upon request*

## HEATHER R. ROBINSON

### Current Address:

901 Hargrove Road Apartment 2C  
Tuscaloosa, Alabama 35401  
(205) 391-9701  
[hrr001@yahoo.com](mailto:hrr001@yahoo.com)

### Permanent Address:

103 West Tenth Street  
Sheffield, Alabama 35660  
(256) 381-1860

- Objective** To obtain an industrial engineering position with a future in engineering management with an emphasis in the areas of human factors and manufacturing.
- Education** **Master of Science: Industrial Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation Date: May 2003  
Cumulative GPA 3.43/4.0  
Research Areas: Manufacturing Environment for People with Disabilities; Construction Safety
- Bachelor of Science: Industrial Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Graduated: May 2001  
Design Projects: Conveyance System, Office Layout, and Changeover Reduction Time  
Passed Fundamentals of Engineering Exam, October 2000
- Experience** **Graduate Research Assistant**, Fall 2001-Present  
Alabama Productivity Center, Tuscaloosa, Alabama  
Projects include:  
**Anniston Army Depot**, Anniston, Alabama, Fall 2001  
Performed an engineered stopwatch time study. Encompassed any rework man-hours where possible.  
Recommended improvements in the flow of materials and methods.  
**Integrated Medical Systems, Inc.**, Birmingham, Alabama, Spring 2002  
Created layouts and improvements for the new facility to increase efficiency of the repair process. Created a visual factory and linear flow for repair processes. Decreased turnaround time and bottlenecks. Improved individual workstations.  
**Drummond Coal Company**, Jefferson County, Alabama, Summer 2002  
Improved the material acquisition process from point-of-use to fulfillment/reordering. Evaluated the current inventory usage. Developed current state map of process.
- Graduate Research Assistant**, Summer 2002-Present  
The University of Alabama Department of Industrial Engineering, Tuscaloosa, Alabama  
Performed research on human computer interaction topic. Conducted an undergraduate information systems laboratory.
- Cooperative Education Student**, January 1998-August 1999  
Shaw Industries, Inc., Dalton, Georgia  
Reported on recycling audits, tufting machine studies, and scale factor audits. Conducted projects concerning shipping returns, packaging of samples, plant layout, office design, expansion of production process, fixed asset inventory analysis, cost analysis, and changeover failure cuts. Supervised colorwall collations and wellness programs. Performed ergonomic studies. Assisted in plant budgets. Responsible for job description and job hazard awareness analysis for new and existing positions. Attended a leadership seminar. Conducted plant tours for various groups.
- Systems Associate**, 1995-1997  
Sheffield Utilities, Sheffield, Alabama  
Created and edited drawings for the electric, gas, and water departments on AutoCAD.
- Computer Skills** Microsoft Office, Microsoft Project, VISIO, Lotus 123, AmiPro, AutoCAD, FORTRAN, SIMAN, Arena
- Leadership/Awards** Department of Industrial Engineering Tour Guide for TIDE Program  
Alabama Productivity Center Outstanding Project Award recipient, Fall 2001  
Alabama Alumni Association License Tag Scholarship recipient, 2001-2002  
H. Paul Hassell, Jr. Memorial Award recipient, Spring 2001  
Institute of Industrial Engineers, Treasurer, 2000-2001, 2002-2003  
Institute of Industrial Engineers 2001 Regional Convention Committee  
Circle K International, 1996 Service Award, co-chair of Teach the Children  
Society of Women Engineers
- References** Available upon request

# ANNA K. SHUMPERT

Current Address:  
901 Hargrove Road #7B  
Tuscaloosa, AL 35401  
(205) 759-9685

Permanent Address:  
1620 SE 4<sup>th</sup> Street  
Fort Lauderdale, FL 33301  
(954) 525-4914

## OBJECTIVE

To obtain and internship position in the industrial engineering field to get a practical hands on experience of courses taken in school.

## EDUCATION

**Candidate for Bachelor of Science: Industrial Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: December 2004  
Cumulative GPA 2.5

United States Military Academy, West Point, New York  
Cumulative GPA 2.4/4.0

During medial leave from the United States Military Academy, briefly attended Auburn University (Fall 2000) and Florida Atlantic University (Spring 2001) for one semester each.

## EXPERIENCE

**Waitress**, March 2003 – Present  
Cypress Inn Restaurant, Tuscaloosa, AL  
August 2002-December 2002  
Shirrtail Charlie's Restaurant, Fort Lauderdale, Florida  
Dealt with customers. Accounted daily sales. Assisted with restaurant opening and closing.  
Trained several employees.

**Sales**, May 2002-August 2002  
Hershey's Hallmark, Fort Lauderdale, Florida  
January 2001-May2001  
Enzo Angolini, Boca Raton, Florida  
Assisted with store opening and closing. Dealt with customer satisfaction. Met daily sales goals.

**Cadet United States Army**, June 2001-May 2002, June 1999-May 2000  
United States Army, West Point, New York  
Responsible for leadership development of subordinates. Trained in a team environment.

## COMPUTER SKILLS

MS Office, MS Excel, MS Word, MS Power Point, MS Projects, Windows

## HONORS/ACTIVITIES

Society of Woman Engineers – Executive Engineering Council Representative  
Institute of Industrial Engineers  
National Defense Service Medal  
Army Equestrian Team, Team Captain  
Auburn University Equestrian Team



# CRYSTAL M. SMITH

## Current Address:

1105 Skyland Blvd. E. Apt. 58  
Tuscaloosa, AL 35405  
(205) 750-8898

uagrad@comcast.net

## Permanent Address:

P. O. Box 804  
Goodwater, AL 35072  
(256) 839-5422

## Education

### **Bachelor of Science: Industrial Engineering**

Minor: Business

The University of Alabama, Tuscaloosa, AL

Expected Graduation: May 2004

Cumulative GPA 3.0/4.0      IE GPA 3.6/4.0

Special Projects: Developing Management Information Systems  
Designing Facilities Layout

## Experience

### **Cooperative Education Student, January 2002-August 2003**

Mercedes-Benz U.S. International, Inc., Vance, AL

Operations Engineering Paint Department

Proposed and implemented new tools and equipment. Collected and analyzed quality control data through production data, charts and instruments. Solved daily production problems using past data and technical tools. Constructed programmable logic controller (PLC) test unit. Managed continuous improvement projects.

### **Claims Clerk, May 2001-January 2002**

Social Security Administration, Tuscaloosa, AL

Generated and processed SSA forms. Improved office organization. Retrieved and prepared applicant data files.

### **Engineering Assistant, Summer 2000**

Brown & Root Inc., Engineering Department, Mobile, AL

Assigned Location-Honda Manufacturing Site, Vincent, AL

Surveyed land by operating surveyor's transit and rod. Verified soil borrow quantities to engineers.

## Computer Skills

Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, Microsoft Project, Microsoft Publisher, AutoCAD, FORTRAN, Minitab, Windows 95-XP, Internet Explorer, Arena 5.0

## Honors/Activities

Institute of Industrial Engineers

Gamma Beta Phi National Honor Society

ACIPCO Engineering Scholarship

Stockham Valves Engineering Scholarship

John F. Saxon Endowed Scholarship

## References

Available upon request

## RAMJI SRINIVASAN

308 Grace Street # 248, Tuscaloosa, Alabama 35401, Phone: (205)-792-2540 (Cell), (205)-345-8084 (H)  
E-mail: srini005@bama.ua.edu

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### EDUCATION

**Master of Science (M.S.), Industrial Engineering (Dec. 2002)**

University of Alabama, Tuscaloosa, Alabama (CGPA: 3.5/4.0)

**Bachelor of Science (B.S.), Manufacturing Engineering (Aug. 1998)**

BMS College of Engineering, Bangalore University, India (CGPA: 3.7/4.0)

### WORK EXPERIENCE

**Research Assistant, Marshall Space Flight Center/NASA, Alabama, U.S. (Dec. 2000 – May 2002)**

- Analyzed factors contributing to success of risk management in construction, manufacturing, e-business, and logistics. Performed statistical analysis and used the results to model a computerized system for risk management applications.

**Industrial Engineer, Chennai Automobiles Limited (Oct. 1999 – Dec. 2000)**

- Responsible for **defining weekly goals, resource allocation, continuous manufacturing improvement, and scheduling.**
- **Supervised** 20 production employees and the production process. Implemented **safety** and good **housekeeping** practices.
- Conducted **time studies** for **line balancing** and **method study**. Achieved an increase of 30% in-line packing efficiency.
- **Coordinated** a cross-functional team of twelve members in **lean manufacturing** implementation in the facility.
- Introduced and developed monthly aggregate **production plans** and **work-force levels** for **production scheduling**. Performed industrial engineering techniques for work simplifications. Constructed **bill of materials** for new products.
- Supervised **Statistical Quality Control (SQC)** laboratory development in the facility.

**Process Engineer, Fitwell Paper Industries (Sep. 1998 – Sep. 1999)**

- Performed **production supervision, production planning, scheduling, forecasting, and inventory management.**
- Developed a **simulation** model to identify **bottlenecks** in the **manufacturing process** and reasons of low **productivity**. This increased productivity by 45% and reduced **manufacturing cycle time** by 40%.
- Prepared **project management** schedules and **communicated** progress status to the top management.
- Supervised **Zero Defect Manufacturing (ZDM)** project in the facility. Designed a scrap and rework **material handling** system to avoid mix up of scrap with good parts. Achieved an estimated **\$50,000 annual savings**.
- Participated in defining a **Just in Time (JIT)** system for **continuous improvement**.

### PROJECTS

- Development of a computerized **quality management** and **forecasting** system using C. The system performs **process capability analysis, Pareto analysis, and plots control charts.**
- Conducted an analysis of ergonomic impacts of **cumulative trauma disorders (CTDs)** on work-staff at the University of Alabama. The project involved analyzing the data and development of a database management system.
- Performed a research project on **supply chain management** of Airgas, Tuscaloosa. Analyzed the inventory profile, **benchmarking, demand flow, logistics operations, and technologies** of the firm.
- Simulated University of Alabama Cafeteria using **Arena 3.0**. Recommended **reduction in manpower** from 6 to 3.

### COMPUTER SKILLS

- **Software Packages:** AutoCAD, MS Office (Word, Excel, PowerPoint), Arena, MOST, LINDO, Minitab, Visual Basic, C, FORTRAN, Oracle, MS Access.
- **Operating Systems:** Windows 95/98/2000/XP.

### ACHIEVEMENTS AND ACTIVITIES

- **Publication:** Risk analysis tools successful in contemporary industries, The proceeding of the 16<sup>th</sup> annual international occupational ergonomics and safety conference 2002, May 2002.
- Member of Institute of Industrial Engineers, University of Alabama.
- **Graduate Teaching Assistant**, University of Alabama (Jan. 2002 – Dec. 2002)

# MARCUS W. STACEY

stace003@bama.ua.edu

## Current Address:

120 East 15<sup>th</sup> St. Apt 703  
Tuscaloosa, Alabama 35401  
(251) 282-6709

## Permanent Address:

104 Briarwood Dr.  
Monroeville, Alabama 36460  
(251) 575-2085

## EDUCATION

### **Bachelor of Science: Industrial Engineering/Minor: General Business**

The University of Alabama, Tuscaloosa, Alabama

Expected Graduation: August 2004

Overall GPA 3.21

### **Associate of Science: Pre-Engineering**

Alabama Southern Community College, Monroeville, Alabama

Graduated: May 2001

## EXPERIENCE

### **Engineering Intern, May 2003-July 2003**

Farley Nuclear Plant (Southern Company), Dothan, Alabama

Worked in Maintenance Support. Developed leak database and worked to trend information. Assisted in design of walkway over a large scale pump room. Developed lube oil database to document changes to a new brand. Identified maintenance rework activities, helped prepare the monthly Rework Report, and identified causes of rework activities. Worked on procedure review in order to re-classify procedures based on new criteria.

### **Production Assistant, September 1999-July 2001**

Southern Advertising Specialties And Sign Company, Monroeville, Alabama

Designed and produced signs and other advertising materials. Planned, measured, and created layout of products. Handled business accounts and cash flows. Assumed management of company when manager was absent. Interacted with clients.

### **Movie Technician, April 1997-July 2001**

Our Place Teen Center And Family Theatre, Monroeville, Alabama

Operated and repaired movie projector and sound equipment. Interacted with customers, and handled complaints successfully. Assumed management of business when manager was absent.

### **Maintenance/Groundskeeper, May 1998-August 1998**

Monroe Academy, Monroeville, Alabama

Maintenance of schoolrooms and grounds (i.e. minor repairs, painting, and lawn care).

## COMPUTER SKILLS

AutoCAD, ARENA, Windows, Microsoft Word, Access, Excel, PowerPoint, Outlook

Internet, MATLAB, FORTRAN, LINGO, LINDO

## LEADERSHIP

Ambassador of The College of Engineering – Vice President

Institute of Industrial Engineers

Phi Theta Kappa Alumni Association (charter member)

North American Young Generation in Nuclear

Alabama Triangle Association

Future Alumni for Tradition and Excellence

SGA Committee on Academic Affairs

Various other honors and activities

## HONORS

Alpha Pi Mu (Industrial Engineering Honor Society)

Gamma Beta Phi Honor Society

Stockham Industrial Engineering Scholarship

Monroe County University of Alabama Alumni Association Scholarship

Presidential Scholarship to Alabama Southern Community College

Wal-Mart Community Service Scholarship

## REFERENCES AVAILABLE UPON REQUEST

**JOSEPH JABE TUBBS**  
**321 CAPLEWOOD DR. TUSCALOOSA, AL 35401**  
**(205) 752-6626 home (205) 454-0512 cell**  
**tubbie4@hotmail.com**

**EDUCATION**

**Bachelor of Science: Industrial Engineering**  
The University of Alabama-Tuscaloosa  
Graduation Date: Dec 2003  
GPA 2.85/4.0 IE GPA 3.0/4.0

**Associates of Arts**  
Mississippi Gulf Coast Community College  
Perk, Mississippi  
GPA 3.60/4.0

**EXPERIENCE**

**Engineering Coop, Alternating Semesters, 2001-2002**

**MBUSI, Operations Engineering Body Shop (OEB), Vance, AL**

Recorded, tracked, and assisted in supervising all spending in OEB Budget while developing the necessary reports and graphs for management. Designed fixtures and redesigned existing fixtures in Body Shop for MBUSI mentor using AutoCAD documentation and existing resources inside CI shop. Responsible for AutoCAD documentation of incoming parts and accessories for Body Shop Robots. Extensively worked with the CI Team and Engineers on existing problems in the MBUSI production system in the Body Shop. Assisted in a managerial role of a massive restructure of MBUSI personnel and re-optimizing the work area that the personnel formally attended. Designed, tested, and implemented a new system into the current MBUSI Body Shop Production System. Supervised a quality control and mutilation reduction project for the entire MBUSI production system.

**Computer Automotive Assistant, Summer 1999**

**Keesler Air Force Base, Biloxi, MS**

Worked in the Distance Learning Division and was in charge of the distribution of materials to the respected bases in the United States. Worked closely with the Staff Sergeants in compiling and issuing the material needed for the Distance Learning classes.

**Senior Design Project II, Fall 2002**

**Alabama Institute for Manufacturing Excellence, Tuscaloosa, AL**

Faculty suite service layout design and furnishings specifications

**Senior Design Project II, Fall 2002**

**Hanna Steel Corporation, Fairfield AL**

Analysis and mapping of the existing Hanna Steel Corporation Headquarters purchasing system and stock transfer process while identifying problem areas and feasible solutions. Tubing mill production schedule development based on customer demand, production capabilities, and costs.

**UNIVERSITY OF ALABAMA ACTIVITIES AND HONORS**

Institute of Industrial Engineers (IIE)	2002-Present
Student Alumni Association	2000-2002
Sigma Phi Epsilon	2000-Present
Sergeant in Arms (Discipline Arian)	2000
Head Flag-Football Coach	2001-Present
All Intramural Sports	2000-Present
Amateur Power Lifter	1998-Present
MGCCC Second Team All-South State LB	1999-2000

**COMPUTER SKILLS**

Microsoft Excel, AutoCAD, Word, PowerPoint, Access, Lotus Notes, Windows  
Exposed to: LINDO, LINGO, SIMAN, ARENA

# GOPAL UPPAL

417 Reed Street, Apt 3B,  
Tuscaloosa, AL 35401  
Phone: 205-292-4003

Email: gops07@hotmail.com

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## OBJECTIVE

Seeking an engineering position that helps me utilize my engineering and analytical skills to make money for the company.

## EXPERIENCE

**Shipping Coordinator**, JVC, Tuscaloosa, AL (June 2003 to Present)

- Coordinate between Packaging and Sales to ensure on time deliveries. Also use AS 400 to make BOL, Invoices, and schedule truck deliveries.

**Industrial Engineer**, Lambert Corp, Ansonia, Ohio (Sep 2002 to Feb 2003)

- Conducted Time studies and wrote Operating procedures for the various processes in the plant
- Supervised Assembly department of the company

**Graduate Teaching Assistant**, University of Alabama, Tuscaloosa, Alabama (August 2000 to Aug 2002)

- Tutored 7 different courses in Math, Physics, Statistics and Management to groups of 3 to 4 students
- Researched and prepared course material for Engineering Economics course

**Engineering Intern**, Vardhmann, Bharuch, India (May 1998 to July 1998)

- Helped in the final stage of the installation of the cogeneration system in the plant and then worked with the engineering team to calculate the efficiency and usefulness of the newly installed cogeneration system

**Engineering Intern**, Citurgia Biochemicals, Surat, India (Dec 1997 to Feb 1998)

- Worked in the Industrial engineering department which was involved in carrying out widespread changes in the plant as a part of the preparation for the ISO 9001 certification

## EDUCATION

**Master of Science (Industrial Engineering)**, University of Alabama, Tuscaloosa, Alabama

**CGPA: 4.00**

**Field of Specialization: Production and Operations management**

Courses: Production Planning and Control, Manufacturing System design, System Simulation, Facilities planning, Project Management, Statistical Quality Control, Expert System in Manufacturing.

**Bachelor of Engineering**, M.S. University of Baroda, Baroda, India

**Major: Mechanical Engineering**

**CGPA: 3.87**

## ACADEMIC PROJECTS AND ACHIEVEMENTS:

- As a part of my master's thesis, I developed computer software, that selects and evaluates Conveyor types for a particular material-handling problem. Also presented the work in International Conference on Intelligent Manufacturing and Flexible Automation
- Simulated the production department of Coral Industries; Tuscaloosa. The Simulation model was developed to compare the various layouts for the company, proposed by a professional consultant
- Developed an expert system for the troubleshooting of Automobile Cooling System
- As part of my final year project in Mechanical Engineering, I carried out exhaustive study of solar dryers and was responsible for the calibration and implementation of the solar dryer of the university. I also surveyed 10 local industries and made recommendations for the replacement of conventional heating system by Solar dryers in two of them
- Presented a paper titled "Advertising in Marketing" in BITS PILANI, an Engineering School of repute in India
- Throughout my academic career, I have been in the top 2% of my class
- Ranked 15th in my state (12th grade Exams, equivalent to SAT)
- Possess good knowledge and understanding of JIT, Kanban, Lean Manufacturing and Kaizen

## COMPUTER LITERACY AND ENGINEERING SOFTWARES

- Engineering Software : MS Project, Arena 3.0, LINGO, Factory, Minitab, AutoCAD 2002, Level V and MRP software's like STORM, DBA, AS 400
- Computer Software : C++, Visual Basic, MS Excel, MS Access

## EXTRA-CURRICULAR ACTIVITIES

- Enthusiastic member of IIE and Alpha Pi Mu, Industrial engineering honor society

# PAILIN VONGSENG

520 12<sup>th</sup> Street Apt # A6 Tuscaloosa, AL 35401 | (205) 657-1431 | vongs001@bama.ua.edu

## SUMMARY OF QUALIFICATIONS

Highly motivated and results-oriented professional with exceptional problem solving skills. Four-year experience conducting Cleaner-Production assessment and environmental audit aimed to identify process improvement opportunities in various industries. Strong academic background in chemical engineering, quality engineering, applied statistics, and advanced information system techniques. Good familiarity with ISO 9000, ISO 14000, and BS 8800 standards.

## WORK EXPERIENCE

*Graduate Teaching Assistant*

Dept. of Industrial Engineering, University of Alabama, Tuscaloosa, USA

August 2002–Present

- Assist professors in teaching preparation, homework and exam grading, and research-work assisting in courses of "Quality Engineering" and "Research Techniques in Human Engineering".

*Certified Lead Analyst*

Safe State Environmental Program, University of Alabama, Tuscaloosa, USA

January 2002–Present

- Analyze amount of lead residing in soil, dust, and paint chip samples in environmental-chemistry laboratory.
- Prepare lead analysis reports and calibration control diagnosis reports.

*Research Engineer*

Thailand Environment Institute, Bangkok, Thailand

April 1997-July 2001

- Conducted "Cleaner-Production" assessment in metal finishing, printing, textile, food processing, healthcare, restaurant, and farming industries:
  - Mapped raw material and utility usages to identify losses in processes.
  - Conducted cause assessments to identify causes of losses in processes.
  - Recommended process improvement opportunities concerning raw material and utility loss reductions and OH&S enhancement.
  - Conducted feasibility studies for selected recommendations.
  - Prepared short- and long- term actions plans.
- Coordinated, planned, and monitored projects assigned.
- Developed project proposals to clients and funding agencies.

## EDUCATION

*Master of Science in Industrial Engineering, Minor: Applied Statistics*

University of Alabama, Tuscaloosa, USA

GPA 3.8/4.00

August 2001-May 2003

**Courses:** Statistical Quality Control, Operations Research, Work Design and Ergonomics, Information Systems Design, Engineering Statistics, Quality Engineering, Production Planning and Control, Advanced Information Systems Design, Statistical Data Management (SAS), Systems Simulation, Data Mining.

*Bachelor of Engineering in Chemical Engineering*

Kasetsart University, Bangkok, Thailand

May 1993-March 1997

**Courses:** Unit Operations, Thermodynamics, Reaction Design, Computer Application, Organic Chemistry, Plant Design, Economics & Cost Estimation, Process Equipment Design, Production Management, Industrial Management, Pollution Control & Waste Treatment.

# PAILIN VONGSENG

520, 12<sup>th</sup> Street, Apt # A6, Tuscaloosa, AL 35401 | (205) 657-1431 | vongs001@bama.ua.edu

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## *Master Degree Project:*

- **Integrating ISO 14000 Requirements with an Existing Quality Management System: A Gap Analysis Approach:** conducted a gap analysis of the existing QMS of a local company with the ISO 14000 requirements in order to identify degree of compliance and changes/new procedures needed.

## *Course Projects:*

- **Computer Desk Design:** applied Quality Function Deployment (QFD) to design a computer desk for use in a small apartment environment.
- **Distribution Network Design:** applied Logistics Management and Decision Support System methods to design and build a menu-driven Decision Support System used in warehouse distribution systems.
- **Computer-Based System Design for Real Estate Service Company:** applied Microsoft office tools (Access and Excel) to build a computer-based system for financial management in a real estate service company.

## **CERTIFICATIONS**

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- Lead Analyst Certification, Safe State Environmental Program, University of Alabama, Tuscaloosa, USA, August 2002.
- Plan to obtain ASQ Certified Quality Engineer and Certified Quality Auditor certifications.

## **ACTIVITIES**

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- Member of Institute of Industrial Engineers (IIE).
- Mentor for incoming international students, Capstone International Program, University of Alabama, Tuscaloosa.

## **PUBLICATIONS**

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- "Cleaner Production Implementation in Rice Noodle Industry in Thailand", Pailin Vongseng and Dr. Thumrongrut Mungcharoen, 8<sup>th</sup> National Chemical Engineering Conference Publication, Nakornpathom, Thailand, November 1998.
- "Integrating ISO 14000 Requirements with an Existing Quality Management System: A Gap Analysis Approach", Non-thesis Research Project Report, Department of Industrial Engineering, University of Alabama, to be published in May 2003.

## **COMPUTER SKILLS**

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<b>Operating Systems:</b>	Windows 95/98/2000, NT, XP
<b>Computer Languages:</b>	Basic, Visual Basic 6.0, Pascal
<b>Other Programming Packages:</b>	SAS, LINDO, LINGO, MINITAB, MS Project, SIMAN, ARENA MS Office (Word, Excel, PowerPoint, Access)

## **RECOMMENDATIONS**

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- Reference letters or contact information available as requested.

# ALISON M. WACHS

	SCHOOL	PERMANENT
	Tennessee Tech University P.O. Box 8659 Cookeville, TN 38505 931-372-5498 <a href="mailto:amwachs21@tntech.edu">amwachs21@tntech.edu</a>	138 Gate Hollow Rd. Mountain City, TN 37683 423-727-4202
OBJECTIVE	To gain cooperative experience and applicable knowledge in the skills of Industrial and Manufacturing Engineering. Available in May 2004 for one year work assignment.	
EDUCATION	Tennessee Technological University    Cookeville, TN Major: Industrial and Manufacturing Engineering Minor: Math, Business Classification: Junior GPA: 3.94/4.00	
PERTINENT COURSES	Introduction to Industrial Engineering, Industrial Engineering Seminar Statics, Mechanics of Materials, Physics, Dynamics, Calculus I, II, III, Differential Equations, Principles of Finance Accounting, Principles Managerial Accounting, Microeconomics, Macroeconomics	
WORK EXPERIENCE	2001 to present    Certified American Red Cross Water Safety Instructor Mountain City, TN; Cookeville, TN Girl Scout Resident Camp Counselor, Lenoir, NC	
COMPUTER SKILLS	Microsoft word, Microsoft PowerPoint, Microsoft Excel, C Programming, Mechanical Desktop, AutoCAD	
SCHOLARSHIPS	East Tennessee Engineering Associations Council, 2002 University Service Scholarship, 2002 Tennessee Tech Women's Club, 2003	
ACTIVITIES	Tennessee Tech Honors Program, Freshmen Orientation Society of Women's Engineers, Secretary 2003-2004 Institute of Industrial Engineers Wesley Foundation, Women's Bible Study Leader, House Host, Wesley Choir Johnson County School Board, 2000-2002 Mountain City/Johnson County United Way, Allocations Committee 1998	



## MODINA L. WILLIAMS

2016 Flagstone Dr., Apt 1910 • Madison, Al 35758 • (256) 774-1154 • E-mail: [Modina\\_Williams@Hotmail.com](mailto:Modina_Williams@Hotmail.com)

<b>OBJECTIVE</b>	To obtain a position in the manufacturing industry that utilizes my strong analytical and organizational skills for solving industrial engineering related problems.	
<b>EDUCATION</b>	<b>Bachelor of Science: Industrial Engineering</b> , December 2001 University of Alabama, Tuscaloosa, Alabama	
<b>EXPERIENCE</b>	<b>Night Auditor/Front Desk Clerk</b> GuestHouse International Hotel & Suites - Tuscaloosa, Alabama - May, 2001- December 2002 <ul style="list-style-type: none"><li>• Provided prompt customer service and efficient handling of all guests requests and reservations.</li></ul> <b>Math/Reading Tutor</b> America Reads/ Counts Program - Tuscaloosa, Alabama - October 2000 - May 2001 <ul style="list-style-type: none"><li>• Mentored/ tutored 4th and 5th grade students during and after school hours in all subjects.</li></ul> <b>Operations &amp; Assembly Engineering Intern</b> <i>Mercedes Benz U.S. International, Inc. - Vance, Alabama - August 1999 - December 1999</i> <ul style="list-style-type: none"><li>• Conducted time studies on workstations for balancing and planned for the most efficient sequence of operations of machines/ workstations to ensure the most productive layout while maximizing the utilization of personnel and production facilities.</li><li>• Constructed a matrix of all the wire harnesses for the Model Year 2000 vehicles and referenced the matrix for supplier information and troubleshooting.</li><li>• Updated Master Process Sheets by means of Auto Cad drawings.</li></ul> <b>Developmental/EVS Engineering Intern</b> <i>Mercedes, Benz U.S. International, Inc. - Vance, Alabama - May 1999 - August 1999</i> <ul style="list-style-type: none"><li>• Analyzed data traffic on the CAN bus line from initial trial runs to selective error localization in complex problems.</li><li>• Updated information on Auto Cad drawings and filed the drawings.</li></ul> <b>Emergency Room Technician</b> <i>Oktibbeha County Hospital Emergency Room Department</i> Starkville, Mississippi - August 1996 - January 1998 <ul style="list-style-type: none"><li>• Provided technical assistance to the doctors and nurses in the emergency room.</li><li>• Input patient medical information into the database.</li><li>• Ordered specified diagnostic tests requested by the ER physician and nursing staff.</li></ul> <b>Industrial Engineering Intern</b> <i>The Regina Company - Long Beach, Mississippi - May 1994 - August 1994</i> <ul style="list-style-type: none"><li>• Assessed quality control inspections of the final assembled product.</li><li>• Implemented the fundamentals of industrial ergonomics for workstations.</li><li>• Analyzed approaches to manufacturing improvements (Lean Manufacturing/JIT).</li><li>• Conducted time studies and forecasted production control, inventory control, cost, and other phases of production operations.</li></ul>	
<b>COMPUTER SKILLS</b>	Operating Systems Programming Languages Databases Simulation Packages Expert System Shell Others	Microsoft Windows, DOS FORTRAN 77 Microsoft Access98 ARENA 3.0, ProModel Level 5.0 Object MS Office 98, MS Project 2000, Minitab, SAS, AutoCAD 2000
<b>ACTIVITIES</b>	Member of the Institute of Industrial Engineering & Engineering Ambassador	
<b>REFERENCES</b>	Available upon request.	

# ELIZABETH CAROL ZACHARY

1853 Loftway Circle  
Orlando, FL 32826  
Phone: (407) 484-9385  
Email: LizzyLove21@aol.com

## OBJECTIVE

To attain a better understanding of the Engineering Profession through hands on experience such as a Co-op or Internship

## EDUCATION

Aug 2002- Present  
University of Central Florida  
Major: Industrial Engineering  
Anticipated Graduation date: May 2006

## EMPLOYMENT

March 2003- Aug 2003  
Operations, Best Buy

- Register Training
- Sales Training
- Teamwork Exercises

## HONORS/AWARDS

- Florida Medallion Scholars Award
- Who's Who among U.S. High School Students

## AFFILIATIONS

- Second year member of The Society of Women Engineers
- Member of the Kappa Alpha Theta Woman's Fraternity
- FIRST Robotics Volunteer
- Mentor for FIRST Robotics Team former Student Manager (2000-2002)  
Planned and lead multiple meetings a week  
Over 70 Students and Engineers Involved

## SKILLS

- Microsoft Word, Excel and Power Point
- AutoCAD and MatLab
- Good Communication and People Skills
- Strong Leader

## REFERENCES

Available upon Request

## **Jing Zhang**

419 8th Ave NE Apt. #C, Tuscaloosa AL 35404

Jing.Zhang@ua.edu (205)-462-1454

### **Objective**

To obtain a position focused on **statistical quality control** and **statistical data analysis** in industry or business.

### **Education**

- Fall 00-  
Fall 02** University of Alabama, Tuscaloosa, AL, **M.S. in Industrial Engineering.**  
Non-thesis: "Statistical Regression Analysis of Cold Working Effect on Steel Tube Manufacturing".  
**Minor in Applied Statistics.**  
GPA 3.7/4.0
- Fall 90-  
Summer 94** Zhengzhou Institute of Technology, China, **B.S. in Mechanical Engineering.**  
GPA 3.2/4.0

### **Work Experience**

- Summer 01-  
Summer 02** Research Assistant, Department of Industrial Engineering, University of Alabama.  
Applied QFD (Quality Function Development) in research project "Aviation Safety Analysis Data Requirements Study (Phase III)", funded by Federal Aviation Administration.
- Fall 00-  
Spring 01** Teaching Assistant, Department of Industrial Engineering, University of Alabama.  
GES 255/GES257 Engineering Statistics I/II.
- July 94-  
August 95** Mechanical Engineer, The First Tractor & Engineering Machine Co., China.

### **Presentation**

J. Zhang, (Presenter), Statistical Regression Analysis of Cold Working Effect on Steel Tube Manufacturing, Hanna Steel Corporation, Fairfax (Headquarter), Alabama, December 02.

### **Computer Skills**

Programming Language: C++/C, FORTRAN.

Software Packages: MINITAB, SAS, LINDO, LINGO, STORM, ARENA, AutoCAD, MATHCAD.

### **References**

1. **Dr. Robert G. Batson** (Advisor), Professor of Department of Industrial Engineering, The University of Alabama, 205-348-1609, rbatson@coe.eng.ua.edu;
2. **Dr. Gary P. Moynihan**, Professor of Department of Industrial Engineering, The University of Alabama, 205-348-1606, gmoynihan@coe.eng.ua.edu;
3. **Dr. Daniel J. Fonseca**, Assistant Professor of Department of Industrial Engineering, The University of Alabama, 205-348-3337, dfonseca@coe.eng.ua.edu.

## **Deyu Zhou**

1108 14<sup>th</sup> Ave  
Tuscaloosa, Alabama 35401

205-345-6087  
zhou009@bama.ua.edu

### **Education:**

Master of Science: Industrial Engineering  
The University of Alabama, Tuscaloosa, AL  
GPA:3.90  
Expected Graduate Date: May, 2004

Bachelor of Science: Mechanical Engineering  
Shanghai JiaoTong University  
Major GPA:3.5  
Graduate Date: July, 2002

### **Related Course:**

- Engineering Statistics
- Statistical Quality Control
- Operation Research
- Network Optimization
- Modeling Supply Chain
- Environmental Engineering
- Numeric Control
- Software Engineering
- Information System Design
- Simulation
- Work Design
- Production Planning and Control
- Advanced Information System Design
- Mechanical Engineering Design
- Power & Energy Engineering
- Electric Engineering

### **Work Experience:**

Research Assistant, May 2003—Present, University of Alabama, Tuscaloosa, AL

- Develop web based expert system for CAVT(Center for Advanced Vehicle Technologies)
- Gathering knowledge from literature research and interview with experts
- Will be topic for master thesis

Teaching Assistant, August 2002—Present, University of Alabama, Tuscaloosa, AL

- Lead lab
- Answer questions during office hours
- Grade homework

Management Trainee, February 2002—July 2002, Shanghai Automobile Import & Export Corp.

- Managed transactions with value below 5,000 USD
- Generated monthly and quarter sales report
- Input transaction data from paper forms to database
- Searched tax rate for imported goods

### **Certificate:**

International Trade Certificate Exam (2002, in China)

### **Computer Skills:**

VB, C, HTML, XML, ASP, IIS, Minitab, LINGO, Arena, Siman, MS PowerPoint, MS Excel, MS Word, MS Access, Windows 95-XP, AutoCAD.

### **Honors/Activities**

Member of Institute of Industrial Eng  
Member of executive board of Association for Chinese Students and Scholars  
Tuscaloosa Chinese Christian Fellowship Leader  
Third prize in mathematical modeling contests in Shanghai JiaoTong University, 1999  
ChangJiang Scholarship 1999-2001, Shanghai JiaoTong University  
Member of Mathematics Association of Shanghai JiaoTong University

**References:** Available upon Request